aws

AGENDA

1. WHO WE ARE
2. WHAT'S AMAZON
3. WHAT'S AWS
4. WHAT'S A DATA CENTER
5. OUR CULTURE
6. OUR ROLES
7. Q & A

MARIN – INFRASTRUCTURE DELIVERY MANAGER

Who am I?
AWS Infrastructure Delivery Manager

What do I do?
Lead of department responsible for scaling of Data Center Network Infrastructure across AWS Region Germany

How did I get here?
- Graduated from University of Applied Sciences in Zagreb
- Started as IT Technician in Croatia (Hrvatski Telekom, Span)
- Joined AWS as Data Center Technician in 2015
- Promoted to ID Manager in 2019 and ID Region Manager in 2022

TVZ **TEHNIČKO VELEUČILIŠTE U ZAGREBU** ZAGREB UNIVERSITY OF APPLIED SCIENCES

1. WHO WE ARE
MARLENE – EARLY CAREER TALENT RECRUITER

Marlene

marlwild@
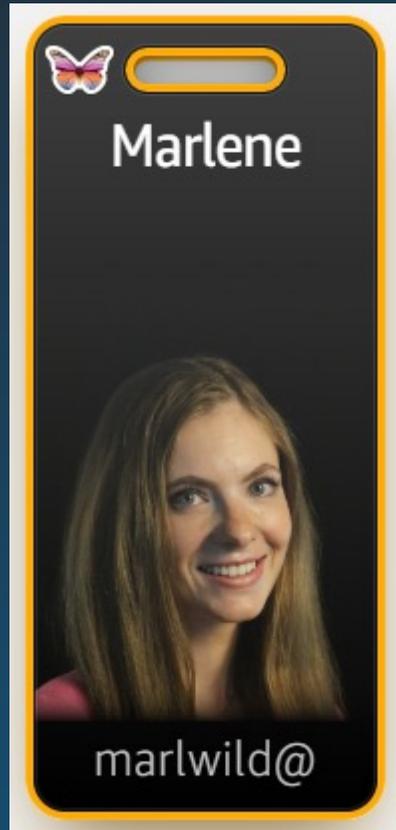
Who am I?
Early Career Talent Recruiter AWS Data Centers

What do I do?
I recruit Graduates, Interns and Trainees into our roles within 5 different Clusters in EMEA

How did I get here?
- Graduated from University Fresenius of Applied Sciences in Munich
- Started as Recruitment Coordinator in Amazon Operations
- Became a Recruiter
- Switched to Amazon Web Services in Feb 2022

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2. WHAT'S AMAZON
HOW IS AWS DIFFERENT TO AMAZON?
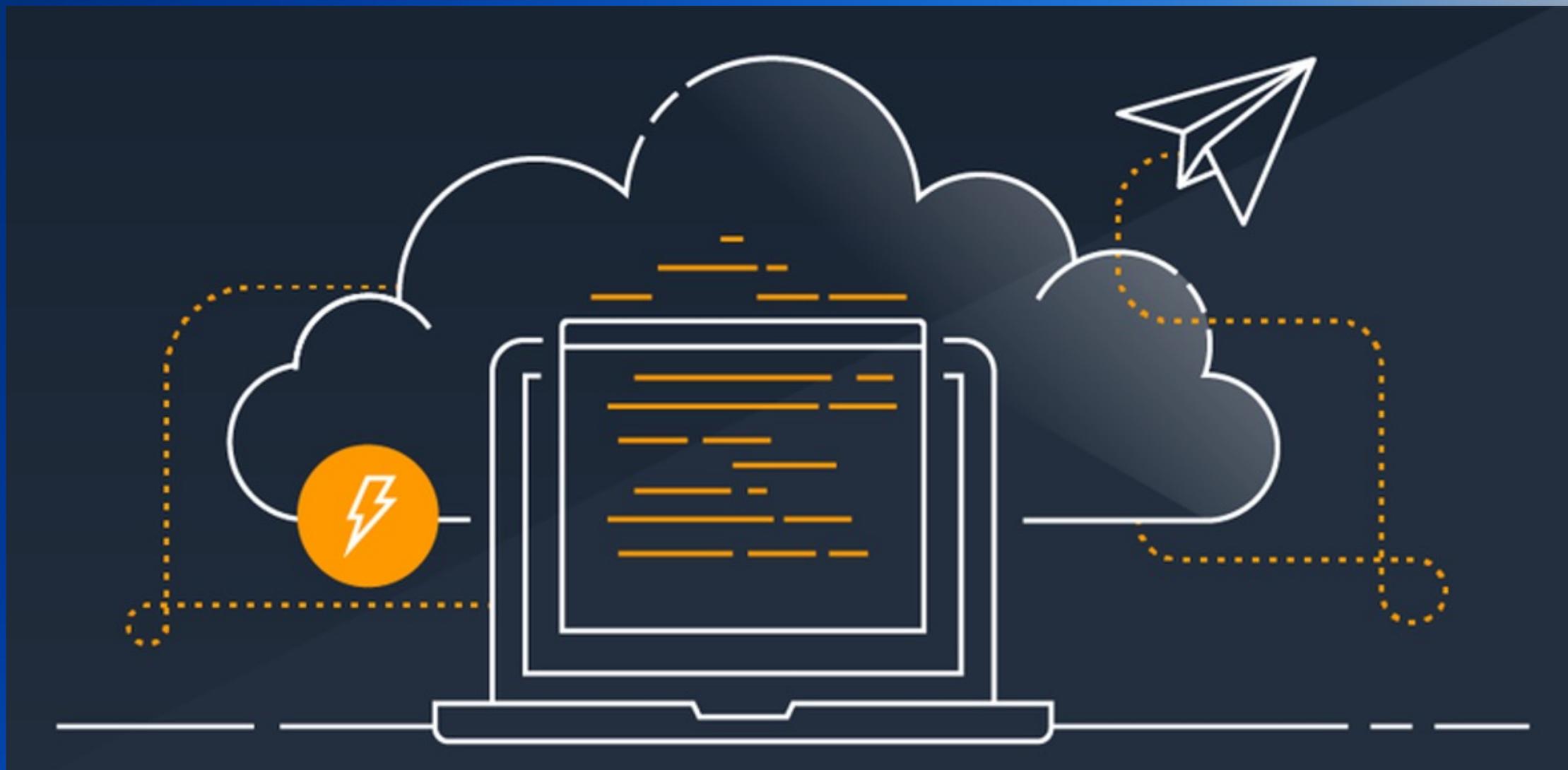
Figure 1: Magic Quadrant for Cloud Infrastructure and Platform Services

CHALLENGERS

LEADERS

Amazon Web Services

Microsoft

Google

Alibaba Cloud

Oracle

Tencent Cloud

IBM

Huawei Cloud

ABILITY TO EXECUTE

NICHE PLAYERS

VISIONARIES

COMPLETENESS OF VISION

As of June 2022   © Gartner, Inc

AWS is the longest-running Gartner CIPS Magic Quadrant Leader

Customers are increasingly choosing AWS to host their cloud-based infrastructure and realize increased performance, security, reliability, and scale wherever they go.

For the 12th year in a row, AWS is evaluated as a Leader in the 2022 Gartner Magic Quadrant for Cloud Infrastructure and Platform Services, placed highest in Ability to Execute axis of measurement among the top 8 vendors named in the report.

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DEUTSCHE BÖRSE GROUP

RYANAIR

NETFLIX

airbnb

PlayStation

M

SIEMENS

duolingo

BBVA

4. WHAT'S A DATA CENTER
WHERE CAN YOU FIND AWS DC'S AROUND THE WORLD?

AWS Global Infrastructure Map

The AWS Cloud spans 96 Availability Zones within 30 geographic regions around the world, with announced plans for 15 more Availability Zones and 5 more AWS Regions in Australia, Canada, Israel, New Zealand, and Thailand.

Regions   Coming soon

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4. WHAT'S A DATA CENTER WHERE CAN YOU FIND AWS DC'S IN EUROPE?

Europe

Europe (Ireland) Region
Availability Zones: 3
Launched 2007

Europe (Frankfurt) Region
Availability Zones: 3
Launched 2014

Europe (London) Region
Availability Zones: 3
Launched 2016

Europe (Paris) Region
Availability Zones: 3
Launched 2017

Europe (Stockholm) Region
Availability Zones: 3
Launched 2018

Europe (Milan) Region
Availability Zones: 3
Launched 2020

Europe (Zurich) Region
Availability Zones: 3
Launched 2022

Europe (Spain) Region
Availability Zones: 3
Launched 2022

AWS Edge Locations

Edge locations - Amsterdam, The Netherlands; Athens, Greece; Berlin, Germany; Brussels, Belgium; Bucharest, Romania; Budapest, Hungary; Copenhagen, Denmark; Dublin, Ireland; Dusseldorf, Germany; Frankfurt, Germany; Hamburg, Germany; Helsinki, Finland; Lisbon, Portugal; London, England; Madrid, Spain; Manchester, England; Marseille, France; Milan, Italy; Munich, Germany; Oslo, Norway; Palermo, Italy; Paris, France; Prague, Czech Republic; Rome, Italy; Sofia, Bulgaria; Stockholm, Sweden; Vienna, Austria; Warsaw, Poland; Zagreb, Croatia; Zurich, Switzerland

Regional Edge Caches - Dublin, Ireland; Frankfurt, Germany; London, England

4. WHAT'S A DATA CENTER
WHAT DO WE HAVE IN FRANKFURT?

Europe (Frankfurt) Region
Availability Zones: 3
Launched 2014

About Frankfurt am Main

What's good to know

Amazon Web Services

Frankfurt is the location of Amazon Web Services' (AWS) German infrastructure region. Opened in October 2014, the Frankfurt region was the 11th technology infrastructure region in the world for AWS and the second in the European Union after the region in Dublin, Ireland. The region was established as a result of the rapid growth AWS is seeing. AWS has seen tremendous growth in Germany, and across Europe, as business from the world's hottest, fastest growing start-ups through to the oldest, most established enterprises move to the cloud.

Frankfurt: EU's Largest Financial Centre

Frankfurt is the largest financial center in continental Europe, and is home to the Frankfurt Stock Exchange, European Central Bank and Deutsche Bundesbank.

Unlike many in Europe, Frankfurt's skyline is distinctly modern. Despite this, the city still maintains much of its storied architecture. Frankfurt also boasts a rich cultural life, with festivals, museums, and performing arts.

Our Data Centers

AWS pioneered cloud computing in 2006, creating cloud infrastructure that allows you to securely build and innovate faster. We are continuously innovating the design and systems of our data centers to protect them from man-made and natural risks. Then we implement controls, build automated systems, and undergo third-party audits to confirm security and compliance. As a result, the most highly-regulated organizations in the world trust AWS every day. Take a virtual tour of one of our data centers to learn about our security approach to protect the data of millions of active monthly customers.

/aws.amazon.com/solutions/?nc2=h_ql_sol
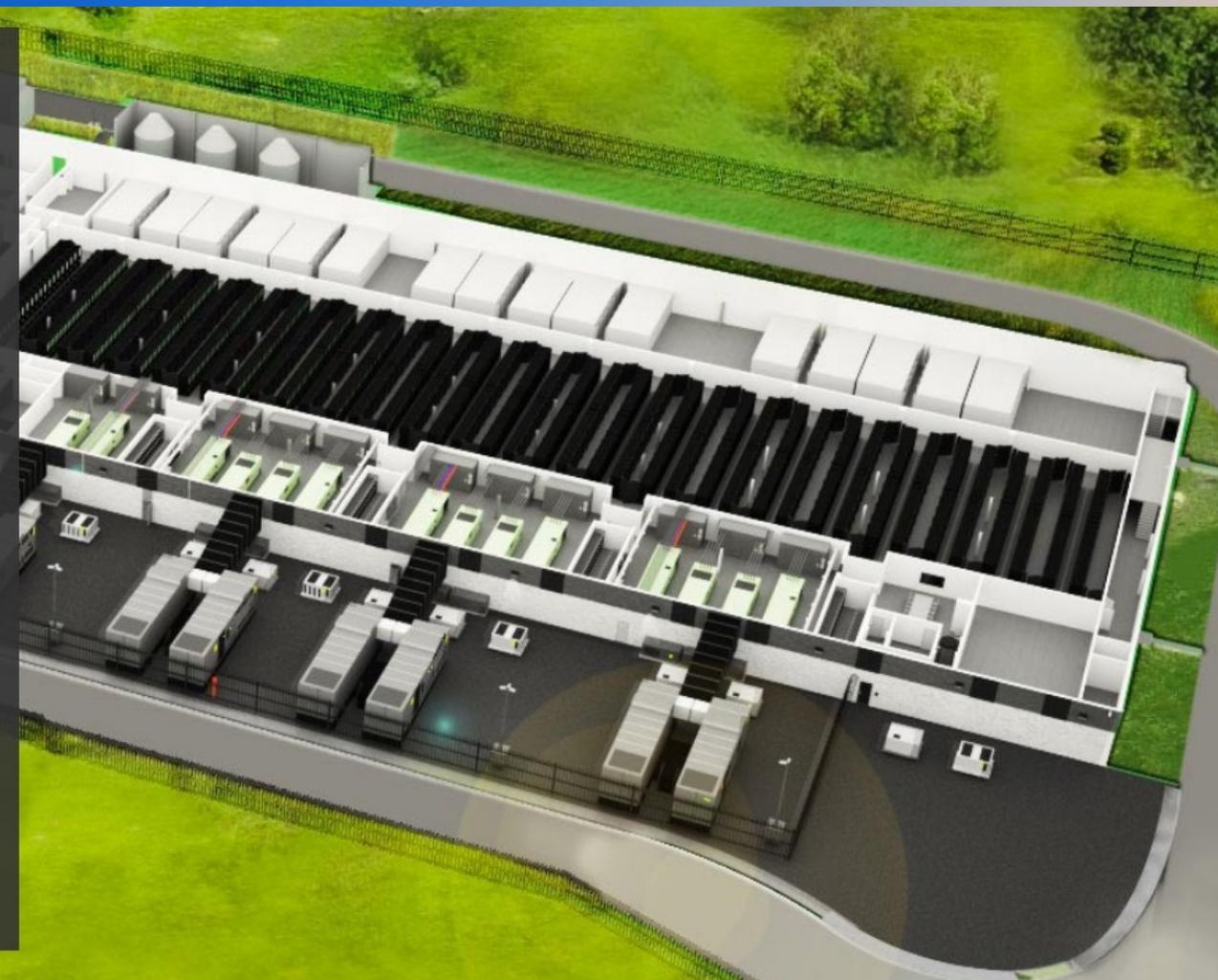
Perimeter layer

Environmental layer

Infrastructure layer

Data layer

Perimeter Layer

AWS data center physical security begins at the Perimeter Layer. This Layer includes a number of security features depending on the location, such as security guards, fencing, security feeds, intrusion detection technology, and other security measures. Scroll down to learn more about the types of security measures we have in place within the Perimeter Layer of the data centers we operate around the world.

Security checks

Highly sensitive data

Very restricted Access

Addresses aren't public

Infrastructure Layer

The Infrastructure Layer is the data center building and the equipment and systems that keep it running. Components like back-up power equipment, the HVAC system, and fire suppression equipment are all part of the Infrastructure Layer. These devices and systems help protect servers and ultimately your data. Scroll down to learn more about the types of security measures we deploy in the Infrastructure Layer of our data centers.

Backup power

Fire Suppression

HVAC

Data Layer

The Data Layer is the most critical point of protection because it is the only area that holds customer data. Protection begins by restricting access and maintaining a separation of privilege for each layer. In addition, we deploy threat detection devices, video surveillance and system protocols, further safeguarding this layer. Scroll down to learn more about some of the security measures we have in place within the Data Layer.

Access points fortified with multi-factor electronic control devices

Robust audits over thousands of points

Thousands of servers

25–32MW
50k–80k servers
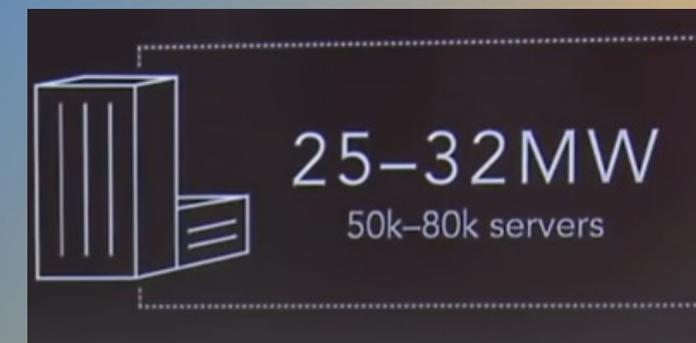
Environmental Layer

The Environmental Layer is dedicated to environmental considerations from site selection and construction to operations and sustainability. AWS carefully chooses our data center locations to mitigate environmental risk, such as flooding, extreme weather, and seismic activity. Scroll down to learn more about the types of security measures we have in place within the Environmental Layer.

Use of reclaimed water

On-site water treatment systems

Power substations

4. WHAT'S A DATA CENTER
   WHAT'S A TYPICAL DAY LIKE?

No two days are the same ...
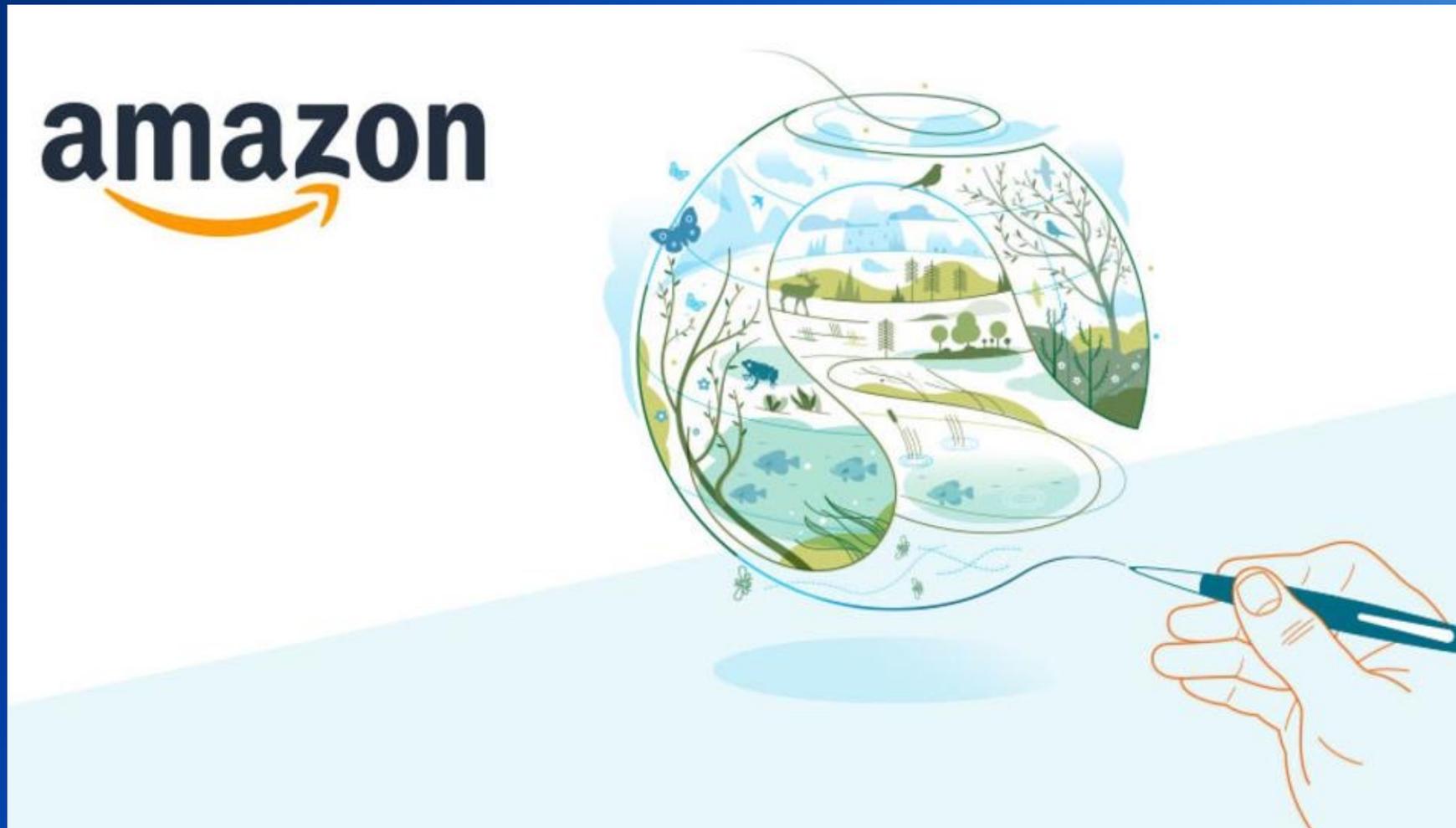
4. WHAT'S A DATA CENTER
   AWS HELPING OUR LOCAL COMMUNITIES

aws InCommunities

JOIN US

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AMAZON'S MISSION

amazon.com

"It's our goal to be Earth's most customer-centric company, where customers can find and discover anything they might want to buy online."

This means we obsess over our customers.

Our actions, goals, projects, programs and inventions begin and end with the customer.

Building an Inclusive Culture

We are a company of builders who bring varying backgrounds, ideas, and points of view to inventing on behalf of all customers.

Our diverse perspectives are enriched by many dimensions, including race, ethnicity, gender, age, physical and mental ability, sexual orientation, religious beliefs, culture, language, and education, as well as professional and life experience.

We are committed to diversity, equity, and inclusion, and leveraging our unique perspectives to scale our impact and grow.

5. OUR CULTURE
LEADERSHIP PRINCIPLES

Customer Obsession
Leaders start with the customer and work backwards. They work vigorously to earn and keep customer trust. Although leaders pay attention to competitors, they obsess over customers.

Ownership
Leaders are owners. They think long term and don't sacrifice long-term value for short-term results. They act on behalf of the entire company, beyond just their own team. They never say "that's not my job."

Invent and Simplify
Leaders expect and require innovation and invention from their teams and always find ways to simplify. They are externally aware, look for new ideas from everywhere, and are not limited by "not invented here." As we do new things, we accept that we may be misunderstood for long periods of time.

Are Right, A Lot
Leaders are right a lot. They have strong judgment and good instincts. They seek diverse perspectives and work to disconfirm their beliefs.

Learn and Be Curious
Leaders are never done learning and always seek to improve themselves. They are curious about new possibilities and act to explore them.

Hire and Develop the Best
Leaders raise the performance bar with every hire and promotion. They recognize exceptional talent, and willingly move them throughout the organization. Leaders develop leaders and take seriously their role in coaching others. We work on behalf of our people to invent mechanisms for development like Career Choice.

Insist on the Highest Standards
Leaders have relentlessly high standards — many people may think these standards are unreasonably high. Leaders are continually raising the bar and drive their teams to deliver high quality products, services, and processes. Leaders ensure that defects do not get sent down the line and that problems are fixed so they stay fixed.

Think Big
Thinking small is a self-fulfilling prophecy. Leaders create and communicate a bold direction that inspires results. They think differently and look around corners for ways to serve customers.

Bias for Action
Speed matters in business. Many decisions and actions are reversible and do not need extensive study. We value calculated risk taking.

Frugality
Accomplish more with less. Constraints breed resourcefulness, self-sufficiency, and invention. There are no extra points for growing headcount, budget size, or fixed expense.

Earn Trust
Leaders listen attentively, speak candidly, and treat others respectfully. They are vocally self-critical, even when doing so is awkward or embarrassing. Leaders do not believe their or their team's body odor smells of perfume. They benchmark themselves and their teams against the best.

Dive Deep
Leaders operate at all levels, stay connected to the details, audit frequently, and are skeptical when metrics and anecdote differ. No task is beneath them.

Have Backbone; Disagree and Commit
Leaders are obligated to respectfully challenge decisions when they disagree, even when doing so is uncomfortable or exhausting. Leaders have conviction and are tenacious. They do not compromise for the sake of social cohesion. Once a decision is determined, they commit wholly.

Deliver Results
Leaders focus on the key inputs for their business and deliver them with the right quality and in a timely fashion. Despite setbacks, they rise to the occasion and never settle.

Strive to be Earth's Best Employer

Leaders work every day to create a safer, more productive, higher performing, more diverse, and more just work environment. They lead with empathy, have fun at work, and make it easy for others to have fun. Leaders ask themselves: Are my fellow employees growing? Are they empowered? Are they ready for what's next? Leaders have a vision for and commitment to their employees' personal success, whether that be at Amazon or elsewhere

Success and Scale Bring Broad Responsibility

We started in a garage, but we're not there anymore. We are big, we impact the world, and we are far from perfect. We must be humble and thoughtful about even the secondary effects of our actions. Our local communities, planet, and future generations need us to be better every day. We must begin each day with a determination to make better, do better, and be better for our customers, our employees, our partners, and the world at large. And we must end every day knowing we can do even more tomorrow. Leaders create more than they consume and always leave things better than how they found them.

5. OUR CULTURE
DAY IN THE LIFE

"The most challenging part of the role is also the most exciting. It's how quickly everything changes, each Data Center that is built is built differently and has new systems and processes to learn."

NICOLE
DCEO
DUBLIN, IRELAND

"What makes me look forward to work is knowing that every day I will leave having learned something I didn't know before I went in"

Mark

**DATA CENTER OPERATIONS**

AMAZON WEB SERVICES

It's more than a job, it's aws

Ready to embrace the challenge?

**Register Your Interest Today.**

SCAN ME

Roles we hire for in Infra Ops.

Get an overview of our positions #HereatAWS

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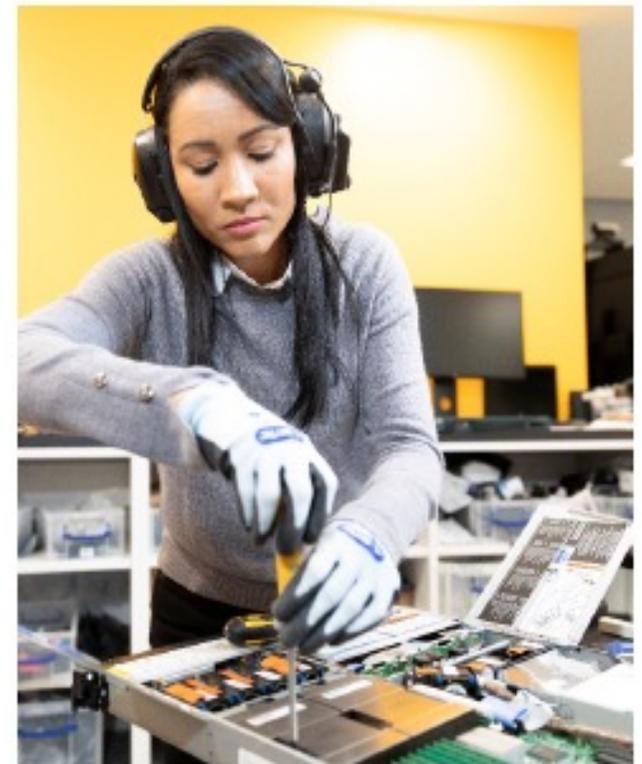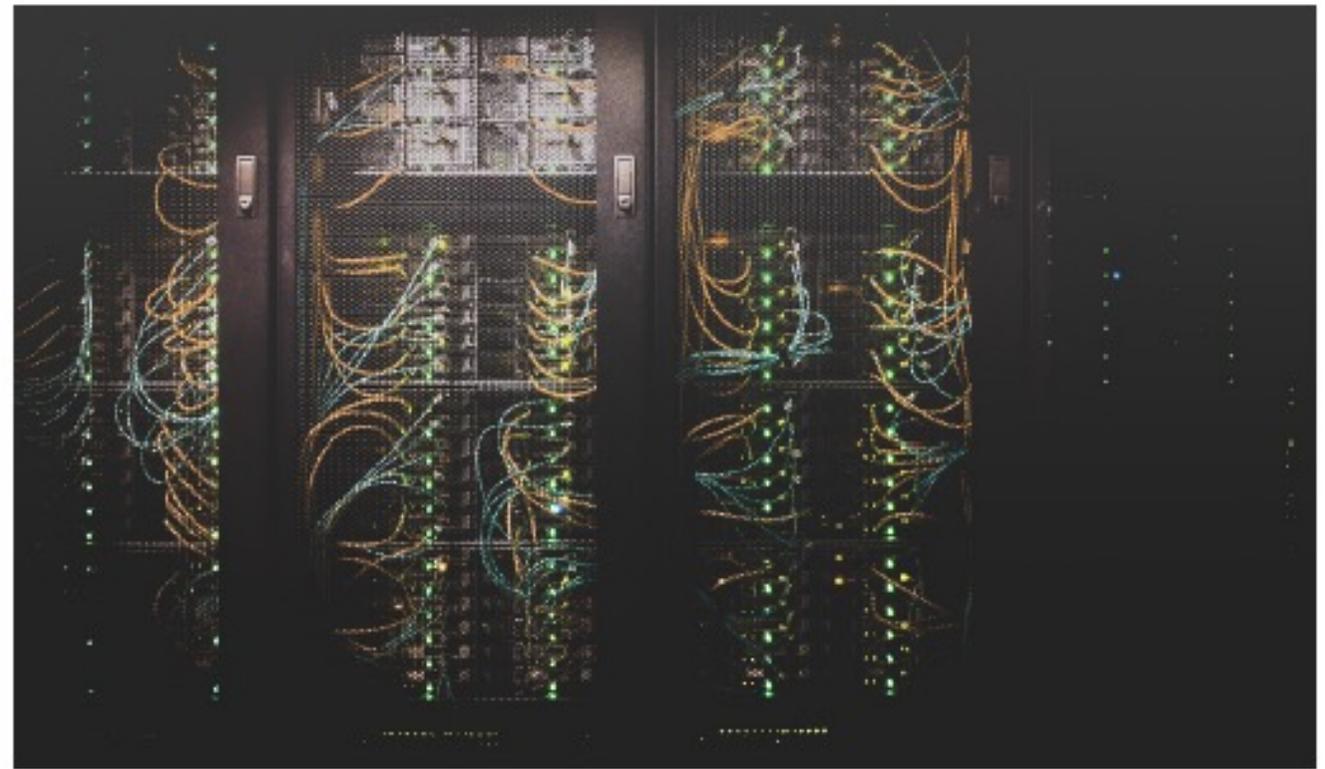
6. OUR ROLES
## EARLY CAREER TALENT OPPORTUNITIES

Amazon Web Services (AWS) is growing rapidly and we are looking for **Interns** to join our team.

Amazon has multiple internship openings, you will participate in a 3 months' work and training program in our Frankfurt Data Centers.

After completion of the training we offer the chance to stay with us directly or within completion of your degree, for further development in a permanent position.

Register your interest!

SCAN ME

6. OUR ROLES
INTERN ROLES EXPLAINED

SECURITY INTERN

As a Data Center Operational Security Specialist Intern, you will be driving operational security excellence within our Data Centers, physically and technically.

You will write reports, create presentations as well as risk assessments and communicate with management on the status of physical security operations.

LOGISTICS INTERN

As a Logistics Intern you will work in our Data Centers to monitor inventory, in-bound shipments, and ongoing demand ensuring that proper stock levels are maintained in all locations to support equipment build and repair activities.

6. OUR ROLES
INTERN ROLES EXPLAINED

INFRA-STRUCTURE DELIVERY INTERN

As an Infrastructure Delivery Intern you will train and work on: installation of new rack equipment, installation of copper and fibre cabling, handling computer equipment and parts & managing network gear during installation and repair.
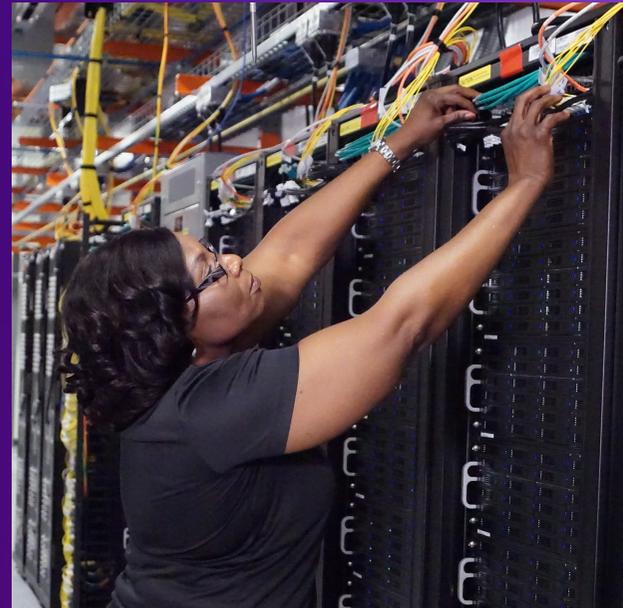
ENGINEERING OPERATIONS INTERN

As an EOT intern you may train and work on these systems: stand-by diesel generators, switchgear, UPSs, PDUs, AHUs, chillers, cooling towers, chemical treatment systems, pumps, motors, VFDs, and building automation systems.

6. OUR ROLES
SAFETY FIRST

AWS is committed to providing a safe and healthy work environment. The internship program has a focus on safety, you will be trained on data center safety, policies, procedures, and guidelines.

PHYSICAL REQUIREMENTS

Working in an AWS Data Center has a physical component and may require working in cramped spaces or elevated locations. Health & Safety is a priority at all times.

- Walk, use hands and fingers, handle or feel, reach with hands and arms, stoop, kneel, crouch.
- Work at heights and from ladders.
- Regularly lift and/or move up to 15 kilograms unassisted; and participate in group lifts for 16 kilograms or more.
- Continuously climb and descend stairs safely (applies to sites with stairs)
- Reach and stretch to position equipment and fixtures while maintaining balance
- Push or pull heavy objects into position

Personal Protective Equipment (PPE)

- Eye Protection
- Hearing Protection
- Hand Protection
- Foot Protection
- Head Protection
- Respiratory Protection
- Body Protection

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6. OUR ROLES
PROGRESSION OPPORTUNITIES

DCEO

- DCEO Area Manager
- Facility Manager
- Chief Engineer
- Engineering Operations Technician

Security

- Data Center Security Manager
- Security Program Manager
- Data Center Security Specialist

DCO

- Data Center Manager
- Data Center Technician
- Rack Decom Technician

ID

- Infrastructure Delivery Manager
- Cabling Infrastructure Engineer
- Capacity Install Technician
- Network Technician

Logistics

- Logistics Manager
- Logistics Specialist

aws

6. OUR ROLES

Now, **have a look** yourself!

Thank you!