

Daniel Kavanagh

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Experience

Amazon Web Services Software Engineer II

Dublin, Ireland
Jan 2020 – August 2024

- Worked as a member of the Load Balancing team, who are responsible for the load balancing solutions used by [Amazon.com](https://www.amazon.com), AWS services, and internal tooling in Amazon.
- Designed and developed a new platform to allow our customers to create and manage load balancers (totalling 1,000s of terabytes of throughput per second) with an expectation that the effort required by the customer is low, including automating the migration to the load balancing platform in a scenario where any downtime was unacceptable.
- Supported our existing legacy projects, in conjunction with development of our new platform. Created SOAP APIs, a CLI tool, and developer SDKs to allow our customers to interact with this new platform.
- Supported this new platform by being on-call for high severity issues for our largest customers, and working directly with other Amazon teams to educate them about our platform, and help teams with unique architectures migrate to our platform safely.
- Deployed our platform to new AWS regions as a foundational service, a process which required co-ordination with many other teams.
- Automated the build of our platform (and additionally our team's legacy platforms) for new AWS regions, a process which saved over one hundred hours of engineer effort per each new region build.
- Mentored new engineers, providing training on the tooling that Software Engineers at Amazon use to write, build, and deploy code, as well as troubleshoot and manage our team's services.

Amazon Web Services Cloud Support Engineer I

Dublin, Ireland
August 2016 – Jan 2020

- Worked on multiple premium support teams, covering a large range of AWS services. Specialised in deployment services, which customers use to manage pipelines, codebases, and deploy software using containers (through ECS, and Kubernetes) and Infrastructure as Code (CloudFormation).
- Supported large enterprise customers dealing with both technical issues, and providing architectural advice.
- Acted as an on-call for other AWS support engineers working on AWS CloudFormation issues they could not resolve themselves. Communicated with the CloudFormation development team to investigate and prioritise bugs/issues in the service.
- Mentored new engineers, providing classroom training on AWS services.

Education

Dublin Institute of Technology
Computer Science, Bsc. (Hons)

Dublin, Ireland
2012-2016

Skills & Interests

Languages: Java, Python, JavaScript, SQL, Ruby, React, Go

Technologies: AWS Services (EC2, CloudFormation, ECS, Route53, S3, RDS, DynamoDB), Git, Docker, MySQL/Aurora, NoSQL, Linux, DNS, Cloud Networking, REST/SOAP APIs