

# Casey Lee



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## Experience

### Principal Engineer, AWS 05/2022 - present

- Led engineering teams to build a new AWS service and operate a private beta with customers.
- Built and open-sourced a [CDK construct](#) to create CodeDeploy deployments for ECS with >125k downloads.
- Developed the [Deployment Pipeline Reference Architecture](#) resulting in >\$6M consulting revenue.
- Contributed to AWS Well-Architected [DevOps Guidance](#) whitepaper.

Skills: AWS, Go, Typescript, Python, Java

### CTO, Gaggle 07/2020 - 05/2022

- Built CI/CD pipelines with CDK, CodePipeline and CodeBuild to increase deployments from 1 to 30 per week.
- Scaled AWS infrastructure for >400% YoY growth in file/email processing during COVID with <30% cost increase.
- Operated web scale application processing of >200K files/emails per second supporting millions of students.
- Reorganized engineering department into autonomous build-run teams to reduce lead time from 47 to 12 days.
- Developed machine learning model to reduce false positive rate, saving >\$150k annually.

Skills: AWS, Java, Python, Go, Typescript

### Director of Engineering, Liatrion 02/2019 – 07/2020

- Transformed internal culture through engineering skill uplift to improve job satisfaction and client renewals.
- Developed and open-sourced [terraform modules](#) for engineers to quickly launch environments.
- Developed and open-sourced [tool](#) to automate governance of the SDLC.
- Built and delivered [hands-on workshop](#) for over 100 customers to learn and apply cloud native practices.
- Engaged DevOps community through [blog posts](#), [webinars](#) and [public speaking](#).

Skills: AWS, Kubernetes, Go, Terraform, Java

### VP Engineering, Stelligent 01/2016 - 01/2019

- Grew engineering team and revenue by 100% over 12 month period.
- Built CI/CD pipeline factory for 3M ([case study](#)) to reduce time to create pipelines to <10 minutes.
- Developed infrastructure pipeline for Verizon ([case study](#)) to achieve 100% compliance with security policies.
- Built an AWS account factory for Washington Post ([case study](#)) to enforce security compliance.
- Developed and open-sourced [mu](#) to reduce the effort required to implement CI/CD pipelines for customers.
- Engaged DevOps community through [blog posts](#), [webinars](#) and [public speaking](#).

Skills: AWS, Go, Python, Kubernetes, Java

### Enterprise Architect, VSP Global 08/2005 - 01/2016

- Built API architecture on Tomcat/Linux for existing SOAP services on WebShere saving >\$200K in license costs.
- Architected API security framework with OAuth 2.0 and OpenID Connect on PingFederate.
- Engineered automation with Chef, AWS, and VMware to reduce VM provision time from days to minutes.
- Consulted with internal engineering teams on adoption of new tools and processes to deliver software faster.
- Led engineering team to build and operate a system for >500 CSRs to handle >20,000 phone calls per day.
- Led engineering team to implement BPM workflow system realizing an annual savings of >\$600K.

Skills: AWS, Java, Chef, Python, Node.js

### Senior Software Engineer, O1 03/2003 - 08/2005

- Led engineering team to build and operate a SIP to ISUP softswitch for a statewide VOIP network.
- Led engineering team to build and operate a RADIUS service handling >10 million calls per day.

Skills: C/C++, Java, Linux, SS7, SIP

### Senior Software Engineer, Innotas 03/2001 - 03/2003

- Led engineering team to build and operate primary customer product offering Project Portfolio Management.
- Engineered data driven MVC architecture utilizing JSP, Tiles, Struts, and EJB.

Skills: Java, Tomcat, Linux, Oracle

### VP Technology, The Grid 03/1996 - 09/1999

- Partnered on the start-up of an Internet Service Provider; eventually sold to OneMain.com.
- Engineered and operated statewide network offering dial-up, email, and web services to >40k subscribers.
- Built web-based CRM handling lead tracking, account management, and monthly billing for >40k subscribers.
- Architected integration of 20 ISPs and >750,000 subscribers yielding a cost <28% of total revenues.

Skills: Linux, Oracle, Java