

Benjamin Giles

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Experience

Senior Software Engineer (L6) - Amazon.com - Enterprise Engineering

July 2024 - Present

- Led subteam to design and implement communications in new corporate compliance app installed on every corporate workstation, written in Rust and .NET
- Designed and built real-time action system to triage unhealthy servers.
- Participated in interview loops, mentored new junior engineers.
- Reviewed peer's designs, code, and change procedures.
- Wrote AI MCP servers for legacy internal systems to improve org productivity.

Software Engineer (L5/L4) - Amazon Web Services

Feb 2020 - June 2024

- Created build system and ecosystem to allow Amazon employees to use .NET internally, in use by 300+ teams and multiple business-critical systems. Designed and implemented automatic SDK generation of internal API models for mass consumption.
- Constructed near real-time analytics service to monitor and dashboard patching, rollouts, and system performance across 800K+ corporate workstations. Work involved API design, low latency backend development, and React web development in Java, Typescript and Python.
- Expanded the AWS DynamoDB ORM for Java and .NET to prevent code defects and track database schema changes automatically.

Internship - Amazon.com - Lending, Corporate Infrastructure

Summer 2018, 2019

- Built canary service to automatically monitor client application under various loads and stop releases on anomalous data

Internship - Boeing - Global Services, IT

Summer 2016, 2017

Student Researcher Technician - IT Research Support Services, Missouri Univ.

Sci. Tech

September 2017 - December 2019

IT Operations Administrator - Big Country BG

March 2013 - May 2016

Education

BS Computer Science – Missouri University of Science and Technology

December 2019 Graduate

Tech Skillset

Web:

- React
- Typescript
- Tanstack
- OpenAPI
- CSS/HTML
- Websockets

Cloud:

- AWS
- Traffic Shaping
- Serverless
- Compute
- Kubernetes
- IAM/Security

OPS/CD:

- Jenkins
- CDK
- Terraform
- 3rd Party
- Compliance

Other:

- Apache Flink
- Orleans
- Bash
- Org AI Guidance
- .NET/C#
- OpenTelemetry
- Rust
- AI MCP
- Java
- Python
- Docker
- gRPC