

Matthew Jones

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SKILLS

Languages: Python, Java, Rust, C, C++, JavaScript, TypeScript, Golang, PHP

Frameworks/Full Stack: Django, Node.js, Angular, React, PostgreSQL, DynamoDB, GraphQL, AWS, Azure

DevOps & Tools: Docker, SignalFX, Terraform, AWS CDK, Git, Unix/Linux, CI/CD Pipelines

PROFESSIONAL EXPERIENCE

Software Engineer

Remote, UK

US Bank/Bento Technologies

Jan 2024 – Present

- Led Azure SSO integration across Java services using OAuth2, streamlining admin login and enabling persistent sessions, greatly enhancing admin user experience, directly benefitting the end customer.
- Optimized database query performance by targeting the slowest templates, reducing average query times by 90%, contributing to improved transaction speeds and system responsiveness, particularly in high-traffic.
- Enhanced cross-team collaboration between backend, frontend, and DevOps, creating comprehensive documentation and processes that reduced detected bugs by 75%, and halved release times.

Software Development Engineer

Arlington, VA

Amazon Web Services

2021 – 2023

- Created and enhanced backend microservices in Java, Rust, and Golang for AWS Inspector, improving satisfaction for 50,000+ active users in 21 regions, while maintaining and growing \$2M+ in monthly revenue.
- Automated key operational tasks using Python scripts, reducing individual developer workload by up to 1 hour per week, or 80 hours monthly for the entire team, improving development velocity for our customers.
- Led on-call twice a month, while addressing, on average, 20+ customer support tickets per shift, maintaining Inspector V1 and V2 uptime, contributing to high service reliability and customer satisfaction.
- Built scalable CI/CD pipelines and deployed services using Infrastructure-as-Code, enhancing deployment consistency and efficiency, streamlining deployment cycles, making it easy to scale services to billions of users.

Programmer Analyst

San Diego, CA

USC Alzheimer's Therapeutic Research Institute

2020 – 2021

- Developed and maintained critical data capture systems in Django and React, enhancing accuracy for medical data input by 1,000+ clinical staff, contributing to improved staff productivity and efficiency.
- Created RESTful APIs to automate email preferences for over 3,000 users, enabling automated distribution for patient updates and reducing manual processing time, streamlining workflows and reducing latency.
- Revamped patient referral system GUI, utilized by 100,000+ clinical staff members, by creating responsive designs, while using GraphQL to access large datasets, increasing system usability and reliability.

SDE Intern

Seattle, WA

Amazon Alexa

Summer 2019

- Designed and implemented AlexaHeat, an internal dashboard to analyze Alexa usage data trends in real-time, providing data insights that help align team goals with customer needs.

Software Developer Intern

Swansea, UK

University of Wales

Summer 2018

- Integrated two C++ applications used for laser hair removal simulations, consolidating R&D tools into a single interface, enabling researchers to perform simulations more efficiently.

EDUCATION

University of Southern California

Los Angeles, CA

Master of Science in Computer Science

May 2020

University of Exeter

Exeter, UK

Master of Engineering in Electronic Engineering and Computer Science

Jul 2018