Matthew Jones

Eligible to work in UK and US

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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, USA
US Bank/Bento Technologies — January 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 — 2020

University of Exeter — Exeter, UK
Master of Engineering in Electronic Engineering and Computer Science — 2018