

# Matthew Jones

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## PROFESSIONAL EXPERIENCE

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### US Bank (Bento Technologies) Software Engineer (Contract)

Remote, USA  
January 2024 – Present

- Integrated Azure SSO functionality across all systems, reducing Admin user login times by 70% and enabling persistent user sessions across services.
- Identified and optimized the five slowest database query templates using SignalFX, reducing average runtime by over 90%.
- Collaborated with frontend teams to streamline release cycles, providing comprehensive backend documentation to minimize friction and ensure smooth, bug-free releases.

### Amazon Web Services Software Development Engineer

Arlington, VA  
October 2021 – March 2023

- Developed backend services in Java, Rust, and Golang for AWS Inspector, a security service with over 50,000 monthly active users across 21 global regions, generating more than \$2M in monthly revenue.
- Automated repetitive operational tasks with Python scripts, saving developers approximately 1 hour per week by automating Docker image population for ECR repositories.
- Provided 24/7 on-call support twice a month, resolving critical issues across all regions and managing up to 20 customer support tickets per shift.
- Leveraged CI/CD pipelines and Infrastructure-as-Code to create and maintain scalable microservices, enabling efficient expansion to billions of global users.

### USC Alzheimer's Therapeutic Research Institute Programmer Analyst

San Diego, CA  
September 2020 – August 2021

- Developed and integrated new core features into a medical data capture system used by over 1,000 clinical staff, enhancing both backend (Django) and frontend (React) performance.
- Designed REST APIs for managing email preferences for over 3,000 users, automating batch email sending triggered by asynchronous events.
- Redesigned the GUI for a patient referral system used by over 100,000 clinical staff, and developed GraphQL APIs to retrieve patient data from multiple databases.

### Amazon Alexa Software Development Engineer Intern

Seattle, WA  
May 2019 – August 2019

- Developed the AlexaHeat dashboard, reducing information retrieval time by 70%.

### University of Wales Software Developer Intern

Swansea, UK  
June 2018 – August 2018

- Integrated two C++ applications for laser hair removal simulations for R&D use.

## SKILLS

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**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, Git, Unix/Linux, CI/CD Pipelines, Infrastructure-as-Code

## EDUCATION

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### University of Southern California Master of Science in Computer Science

Los Angeles, CA  
May 2020

### University of Exeter Master of Engineering in Electronic Engineering and Computer Science

Exeter, UK  
July 2018