

Matthew Anderson

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Skills

Programming Languages: Python, TypeScript, Java, Scala, Go, C, C++

Cloud & DevOps: AWS (S3, EC2, EKS, Lambda), Cloud.gov, Databricks, Terraform, Docker, Kubernetes

Databases: PostgreSQL, DynamoDB, MySQL, MongoDB, Redis

Tools & Frameworks: Django, React, Spring, REST, Celery, Cypress, gRPC, Spark, Grafana

Experience

Full Stack Software Engineer

January 2025 – Present

Raft

Washington, DC

- Contribute to mission-critical federal system managing **\$16.5 billion** TANF grant program for HHS, processing quarterly data submissions from **50+ state, territorial, and tribal governments** using Django, React, PostgreSQL, and Cloud.gov
- Architected and independently developed Feedback Reporting system serving **government offices in all 50 states**, using a **Django REST Framework** backend and **React** frontend, automating a previously manual process
- Led migration of container infrastructure from **Docker** registry to **GitHub Container Registry (GHCR)**, re-architecting CI/CD pipelines and deployment workflows, reducing deployment time by **40%** and centralizing application infrastructure around GitHub
- Designed and executed migration of financial reporting application from feature flag architecture to **role-based access control (RBAC)**, improving security posture and reducing system complexity across full stack
- Developed multi-sheet XLSX file validation system with comprehensive error reporting, improving data quality for federal reporting requirements and reducing validation errors
- Built comprehensive end-to-end testing infrastructure covering multiple user roles and submission workflows using **Cypress**, increasing test coverage by **25%** and reducing regression defects in production

Software Engineer

March 2022 – January 2025

First Orion

North Little Rock, AR

- Led the architectural design and development of a web service to automate calling client phone numbers for verification, using Java, Spring, and TypeScript, reducing manual efforts and cutting expenses by **\$200,000** annually
- Designed and developed a highly extensible, scalable API using Go, REST, and DynamoDB for near real-time call protection, generating **\$800,000** in revenue annually
- Developed a Go microservice application using REST, gRPC, MySQL, and DynamoDB to facilitate branding of over **1 billion** phone calls per year and over **\$50 million** in revenue annually
- Leveraged AWS services including **DynamoDB, S3, EC2, Lambda, and EKS** to build scalable enterprise applications with a combined revenue of over **\$150 million** annually
- Automated infrastructure provisioning using Terraform, reducing deployment time by **90%** and cloud costs by **30%**
- Developed and deployed scalable big data pipelines using **Apache Spark** with Scala and Python on **Databricks**, many jobs handling **hundreds of gigabytes** of data daily

Software Engineer

June 2020 – March 2022

Euronet Software Solutions

Little Rock, AR

- Developed a Java microservice backend to facilitate real-time and cross-border payment processing, deployed in over **180 countries**, handling over **1 billion** transactions a year
- Designed and built an automated transaction validation system using Java, XML, and XSLT, enhancing throughput testing reliability by **40%** and improving source data integrity by **80%**

Education

Georgia Institute of Technology

Expected May 2028

Master of Science in Computer Science

University of Central Arkansas

December 2019

Bachelor of Business Administration in Management Information Systems