

James Anderson

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Seattle, WA

Professional Summary

Highly motivated and results-driven Software Engineer with experience in building robust **full-stack web and mobile applications** and **scalable cloud solutions** using **modern JavaScript frameworks, Java, and cloud platforms**. Proven ability to deliver high-quality software through agile methodologies, comprehensive testing, and modern development practices, translating complex requirements into reliable and user-focused products.

Certifications

- ◇ [AWS Certified Cloud Practitioner](#) - 2025
- ◇ [ITIL 4 Foundation - IT Service Management](#) - 2025
- ◇ [Google IT Support Professional](#) - 2024

Skills & Technologies

Languages & Frameworks: Java, Python, JavaScript, TypeScript, React, React Native, Next.js, Flask, Angular, Express.js

Backend Development: Spring Boot, Microservices, RESTful APIs, System Design, Performance Optimization

Cloud & DevOps: AWS (Lambda, EC2, S3, RDS, CloudFormation, API Gateway, Kinesis), Firebase, Kubernetes, Docker, CI/CD

Development Practices: Test-Driven Development, Code Review, Agile Methodologies, Machine Learning, AI

Databases: PostgreSQL, MongoDB, MySQL, Redis, Cloud Firestore

Experience

Rate My Water - Full-Stack Web Application - Project

- ◇ Built production-ready web application using Next.js 14, TypeScript, and Firebase enabling users to discover and rate water quality at millions of restaurants and businesses through interactive Google Maps integration and community-driven reviews.
- ◇ Created atomic transaction system in Cloud Firestore preventing duplicate reviews and maintaining data consistency across concurrent operations, implementing real-time aggregates for rating calculations and automatic location cleanup.
- ◇ Integrated Google Maps JavaScript API and Places API with custom SVG markers, server-side proxy for API security, and TanStack Query for optimized caching, reducing API calls by 60% while ensuring seamless real-time data synchronization.

Customer Loyalty Program API - Project

- ◇ Developed comprehensive REST API using Spring Boot and Java with JWT authentication, implementing four-tier rewards system with automatic upgrades and Redis-powered caching for performance optimization.
- ◇ Built cloud-native deployment pipeline using PlanetScale MySQL database, Upstash Redis for caching and event streaming, and Railway for automated CI/CD with health monitoring and actuator endpoints.
- ◇ Implemented scalable points management system with transaction history, reward redemption capabilities, and real-time event processing through Redis Streams, designed to handle high-volume transactions with ACID compliance.

Serverless IoT Data Analytics Platform - Project

- ◇ Designed scalable serverless platform processing 10,000+ IoT sensor readings per minute using AWS Lambda, Kinesis Data Firehose, and S3. Implemented real-time anomaly detection reducing false alerts by 70%.
- ◇ Built fault-tolerant data pipeline with SQS dead-letter queues and CloudWatch monitoring, achieving 99.9% uptime and automatic error recovery.
- ◇ Utilized Java with AWS SDK for Lambda functions, implementing event-driven architecture for cost-effective scaling.

Education

Western Governors University

Bachelor of Science — Software Engineering

Relevant Coursework: Data Structures & Algorithms, Advanced Java, Java Frameworks, Cloud Foundations, Software Security & Testing, Mobile Application Development

- ◇ Applied knowledge of data structures, algorithms, and object-oriented programming to build effective software.
- ◇ Gained hands-on experience in full-stack development, cloud computing, and modern software development practices.
- ◇ Completed a comprehensive program focused on the practical application of software engineering best practices.