MATT ANDERSON

+1(352) 538-5497 ⋄ New York, NY

me@mattanderson.xyz ⋄ linkedin.com/in/matt-anderson-dev ⋄ github.com/sgmaniakk

EXPERIENCE

Senior Software Engineer   2020 - Present
Capital One   *New York, NY*

- Led team of 5 engineers contributing to migration of 8M+ customers to Capital One's financial core via AWS ETL architecture (Step Functions, Glue, Lambda); designed automated behavioral testing framework validating 200+ data transformation rules, achieving zero-downtime migration and 99.99% data accuracy; presented architecture at org-wide town halls, establishing standard migration template across enterprise.

- Replaced legacy JBPM-based account opening system with modern Spring Boot RESTful API (14 endpoints), enabling critical mainframe exit initiative; increased system capacity from 1 to 4 accounts/sec through simplified architecture and comprehensive automated testing, achieving 45% higher completion rate and 50% reduction in maintenance overhead.

- Architected and launched Spring Boot API for secure tokenized customer data retrieval, implementing Redis caching and performance testing to achieve 200 TPS capacity with zero downtime and 40% performance improvement.

- Led platform team's transition from 3 legacy services to modern API development practices like behavioral testing and distributed tracing, resulting in 30% reduction in bugs and 20% increase in productivity.

- Founded and led Code Quality Circle initiative, coordinating bi-weekly cross-team sessions with engineers across the organization to address technical debt, eliminating 2,000+ lines of dead code and resolving 200+ critical SonarQube issues.

Software Engineer   2018 - 2020
E-TRADE Financial   *Jersey City, NJ*

- Architected and developed end-to-end chatbot solution using Node.js and WebSocket, including fulfillment service and React-based content management system for business users, increasing user engagement by 30% and reducing network traffic by 50% through optimized architecture.

- Designed and developed high volume nightly batch processes handling 10k+ transactions using Spring Boot, overcoming data consistency challenges, and eliminating 2 hours/day of manual business processes.

- Developed Java micro-services for automated reporting and ETL tasks, improving data processing speed by 30% using Spring Boot and Docker in a high-volume data environment.

SKILLS

Languages	Java, SQL, Python, Scala, JavaScript, C++, TypeScript, Rust, C
Frameworks	Spring Boot, React, Apache Spark, Express.js, Django
Cloud & DevOps Tools	AWS, Docker, Terraform, Jenkins, Git
Testing Frameworks	Cucumber, JUnit, Mockito, Mountebank, JMeter

EDUCATION

Bachelor of Computer Science, Vanderbilt University	2018
AWS Certified Solutions Architect, Professional Certification	2022