Matthew J Marrazzo

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Professional Summary

Full Stack Software Engineer specializing in serverless architecture and cloud-native development. Extensive experience building and maintaining microservices using AWS Lambda, Node.js, and React. Strong background in test automation and quality assurance.

Technical Expertise

AWS Cloud	Lambda, API Gateway, DynamoDB, SNS, SQS, S3, CloudFront, IAM
Architecture	Event-Driven Systems, Microservices, Serverless, PKCE Authentication
Frontend	React, TypeScript, CloudFront, Lambda@Edge
Backend	Node.js, Java, Kotlin, Python
DevOps	GitHub, CI/CD, GitHub Actions, Docker
Testing	REST-assured, Playwright, JUnit, Jest

Professional Experience

2023-Present — **Software Engineer**, *Tyler Technologies*, Remote
- Design and develop serverless microservices using Node.js and AWS Lambda
- Architect and optimize DynamoDB data models and access patterns
- Build and maintain React frontends using S3/CloudFront infrastructure
- Implement secure authentication flows using PKCE and Lambda@Edge

2021-2023 — **QA Analyst II**, *Tyler Technologies (formerly NIC, Inc.)*, Remote
- Developed and maintained automated test suites for 20+ microservices and frontends
- Developed testing framework to significantly reduce code duplication across tests
- Created full-stack testing dashboard using React and serverless backend
- Implemented automated testing pipelines for AWS Lambda functions

2019-2021 — **Quality Assurance Lead**, *Book Systems, Inc.*, Huntsville, AL
- Led and mentored QA team, managing task distribution and code review processes
- Designed and implemented automated test suites for web, mobile, and API testing using Java
- Managed Jenkins CI infrastructure and Docker repositories
- Created in-house build/release tools using Node.js and Dart
- Oversaw release management for web and mobile applications

2018-2019 — **Junior QA Programmer**, *Book Systems, Inc.*, Huntsville, AL
- Developed automated test cases using Java with HtmlUnit, Selenium WebDriver, Appium, and REST-assured
- Monitored Jenkins pipelines and reported bugs to development leads
- Converted testing framework from HtmlUnit to Selenium WebDriver
- Promoted to QA Lead within one year due to technical excellence and leadership potential

Education

2016-2018 — **B.S. Computer Science**, *Athens State University*
GPA: 3.52
Minor in Mathematics