GARRETT GREEN

Full Stack Software Engineer | Chicago, IL | 859.806.7918 | Garrett.Wile.Green@gmail.com

Experience

Capital One | *Chicago, IL*

Senior Software Engineer - **February 2023 to July 2025**

- Served as Tech Lead in designing Card Tech's first AWS Elasticache API, enhancing efficiency to sustain 200 Transactions Per Second (TPS) with an average response time of <0.92 seconds
- Served as Tech Lead in architecting solution and managing Junior Developer in implementation of team's first Serverless ETL orchestration pipeline for multi-intent marketing campaign across 9 customer segmentations
- Streamlined content delivery by developing a shared endpoint in 6 months to support 10+ teams with self-service onboarding, handling 1.7 million daily requests with ~93.17ms response times
- Selected to join a team of 25 Engineers in reviewing code for Capital One's Enterprise Account Servicing Experience (EASE) Angular Web Application and reviewed over 140 pull requests annually to ensure code quality and timely production releases
- Planned and developed Business Travel Hub in Enterprise Account Servicing Experience (EASE) Angular Web Application (~30k daily views); integrated shared Rewards API with NgRx Shared State Management

Software Engineer - **April 2021 to February 2023**

- Served as Tech Lead in design, planning, and implementation of a customer-facing React application utilizing AWS services like S3 and CloudFront
- Developed and maintained a Java Spring Boot Orchestrator API Service deployed on Amazon ECS
- Integrated Capital One's SSO service with a partner's web application, enabling secure, single-sign-on access for credit card customers and seamless travel bookings

Paro | *Chicago, IL*

Full Stack Engineer - **January 2020 to April 2021**

- Redesigned GraphQL API architecture by implementing single federated GraphQL server; combined 5+ GraphQL services to single schema and endpoint, improving distribution and development of back-end microservices while simplifying front-end data access
- Collaborated with two developers to plan, build, and maintain company's first React app, establishing best practices for React app development
- Developed custom integration solutions for external services including Salesforce, Stripe, Auth0, and HelloSign

Jr. Full Stack Engineer - **April 2019 to January 2020**

- Developed, shipped and operated several microservices (15+ services, managing 300+ lambda functions)
- Assisted in development of redesigned data pipeline process, syncing 3,000+ users' data from MySQL database to Elasticsearch service via DynamoDB Streams for improved search functionality
- Helped design and develop Node REST API service, improving code maintainability by replacing legacy PHP API

Skills & Tools

JavaScript/TypeScript (Node, Express, React, Redux, Angular, Cypress, Playwright, Jest), AWS (EC2, ECS, Fargate, DynamoDB, ElastiCache, Lambda, S3, CloudFront, Glue, Step Functions, SQS), REST API design, microservices architecture, event-driven architecture, Containers (Docker), Python (PySpark), SQL, Java (Spring Boot), RDBMS (PostgreSQL, MySQL), NoSQL (Dynamo, Mongo), GraphQL, Redis, HTML, CSS, Serverless Framework, message-driven architecture, Elasticsearch, IaC (Terraform, Cloudformation), Databricks

Certifications

Amazon Web Services Solutions Architect Associate | Amazon Web Services (AWS), 2022

Certified Secure Software Engineer | Secure Code Warrior, 2020

Open Source Software Contribution

redis/redis-om-node | 2025, 2023

swc-project/swc | 2025

serverless-operations/serverless-step-functions | 2025

Education

Belmont University | *2014*

Bachelor of Business Administration - Information Systems Management; Marketing

Fullstack Academy Of Code | *2018*

Software Engineering Immersive Bootcamp & Teaching Fellow