

# ALEX ROSA

New York, NY | [alex.rosa629@gmail.com](mailto:alex.rosa629@gmail.com) | 917-705-1406 | [GitHub](#)

## EXPERIENCE

### Get The Interview, Tech Lead - New York, NY

August 2025 - Present

- Built a scalable job-application automation engine, orchestrating Cloud Run workers and distributed coordinators to process high-volume application workflows with deterministic, reproducible execution.
- Developed a workflow in Node.js that combines multiple Gemini and Deepseek apis with the Hyperbrowser agent framework to interpret job requirements, adapt resumes and cover letters on the fly, and navigate dynamic form flows.
- Implemented a hardened production environment featuring Dockerized services, Google Cloud Build CI/CD, Playwright automation with human-like cursor simulation, exponential-backoff retry logic, error-handling, and detailed usage monitoring.
- Delivered a production Next.js system with Stripe integration, Google OAuth, pdf-manipulation and comparison, email monitoring, utilizing Google Firestore for relational data and GCS for file storage.
- Planned all operations and architected a scalable, cost-efficient platform with clear ROI and user value
- Integrated Github Copilot and Claude Code into daily development for deep reasoning tasks including architecture reviews, multi-file refactors, and debugging distributed automation systems.

### Ticketmaster, Full Stack Developer - New York, NY

Sept 2024 – Sept 2025

- Developed and maintained high-traffic event ticketing interfaces using React.js and TypeScript, optimizing component structure for scalability and performance.
- Integrated RESTful APIs and GraphQL endpoints to dynamically display real-time event data, user accounts, and transactions.
- Enhanced state management with Redux and Context API to improve responsiveness and reduce unnecessary re-renders.
- Assisted backend developers in NextJS and Express.js, contributing to authentication systems and secure payment processing.
- Designed and deployed Dockerized microservices, ensuring scalable and containerized environments for various ticketing modules.
- Worked with AWS (EC2, S3, Lambda) to support cloud-based solutions for serverless functions and media storage.
- Optimized SQL databases (PostgreSQL) for efficient ticket inventory management and fast query resolution.

### IDEMIA, Full Stack Developer - Remote

Apr 2022 – Sept 2024

- Architected and optimized facial recognition system performance, collaborating across multiple time zones to integrate enhancements into production.
- Developed backend service to handle requests asynchronously, improving system efficiency and allowing horizontal scaling based on demand.
- Implemented event-driven processing using Kafka to distribute tasks across nodes reducing response times during peak loads.
- Designed and deployed containerized microservices using Kubernetes, streamlining CI/CD pipelines and optimizing resource allocation.
- Maintained Angular codebases and leveraged modern asynchronous processing techniques, significantly reducing load times and enhancing user experience.

### ZenKey, Full Stack Developer - Remote

Mar 2021 – Mar 2022

- Engineered a custom OAuth2 authentication framework for secure customer identity validation, complying with standards.
- Developed a responsive customer portal using Angular and Node.js, integrating API endpoints for data retrieval and verification.
- Orchestrated API integrations with three major wireless carriers, establishing secure pipelines for identity authentication.
- Automated CI/CD workflows with Jenkins, implementing robust testing frameworks to streamline deployment cycles.
- Led collaboration with QA engineers, designing comprehensive test cases for API endpoints and front-end components.
- Maintained a Sawtooth Blockchain API, enabling efficient management of client-side JSON data

### Lead Developer, Circle - Remote

Oct 2020 – Jan 2021

- Designed and standardized API documentation using Swagger UI, automating interface contracts for seamless integration across microservices.
- Implemented JWT authentication with signed private keys managed via Java KeyStore, used for user verification.
- Utilized Lombok and MapStruct to streamline model-to-DTO mapping, reducing boilerplate code and improving maintainability.

### Junior Developer, Revature - Remote

April 2020 – Oct 2020

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- Developed and maintained web applications using Java Spring Boot, focusing on backend services for marketing campaign management and analytics dashboards. Implemented MVC architecture using Java Servlets and JSP, ensuring clean separation of concerns and scalable code structure.
- Built and optimized CRUD operations for customer segmentation tools, enabling real-time data manipulation and reporting.
- Assisted in configuring Spring Boot application properties, dependency injection, and controller mappings to streamline deployment workflows.
- Participated in debugging and performance tuning of servlet-based modules, reducing page load times and improving server response rates.

## **Junior Developer, eMarketingTech Solutions - Buffalo, NY**

**July 2018 – Jan 2020**

- Contributed to unit and integration testing using JUnit and Mockito to ensure reliability and maintainability of core features.
- Documented technical specifications and contributed to internal knowledge bases to support cross-functional teams and onboarding.
- Continuously tested code using Junit and Mockito, creating new test cases where needed

## **PROJECTS**

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**Visual Sorter** - Angular website that visualizes sorting algorithms using CSS keyframes and the Hostbinding Angular library that allows for dynamic animations. Available on GitHub.

**ZorkVoice** - Created a protocol for a C and Java program to communicate and used the Google SpeechRecognizer library to add voice input to the classic game. Made API calls to thesaurus.com to expand word input range. Available on GitHub.

**BigIntCalculator** - Created a calculator in C++ that is not limited by the specifications of Int or Long but is instead limited by system memory and uses overloaded operators to perform calculations. Available on GitHub.

## **EDUCATION**

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**Borough of Manhattan Community College** | Dec 2016

A.S in Computer Science

## **SKILLS**

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**Languages:** Java, x86Assembler, C, C++, JavaScript, HTML, CSS, Oracle SQL, Typescript, MySQL, PostgreSQL

**Libraries/Frameworks:** JDBC, JSP, Servlets, SpringBoot/Maven, Hibernate, AWS, RDS, React, Angular, Node.js

**Technologies:** Selenium, Junit, Mockito, Jasmine, Amazon AWS, Google Cloud Services, Jenkins, Jira, Agile/Scrum, AWS, MongoDB, Claude Code, Github Copilot