Zhaoliang Ni (Aaron)

Principle Software Engineer

✉ aaron168ready@gmail.com   ☎ 7183081776   📍 New York, NY   in linkedin.com/in/zni

🔗 aaron-ni.com

🧠 Skills

Frontend: Angular 20 | React | AG Grid | Typescript | TailwindCSS | Figma | PrimeNG | Material | Redux | NgRx | RxJS | HTML | CSS | Javascript | Webpack | ESLint | Prettier

Backend: Java | SQL | Python | Spring Boot | Kafka | Kafka Connect | Kubernetes(OpenShift) | Maven | Gradle | REST API | Docker | PostgreSQL

QA: JUnit | Mockito | Jasmine | Cucumber | Playwright | Groovy | CI Automation

Design: Container Orchestration | CI/CD | Distributed Services | Microservices | Microfrontend | Module Federation | Monolithic | Monorepo(NX) | Responsive Design | UX

🎓 Education

B.S. Electrical Engineering & Computer Science,
Christian Brothers University, GPA: 3.33
08/2016 – 05/2020 | Memphis, Tennessee

📜 Certificates

- AWS Certified Solutions Architect - Associate

- AWS Certified Cloud Practitioner

💼 Professional Experience

Fidelity Investments - Contract, *Principle Software Engineer*   05/2025 – present
- Led teams of 9 developers, managing priorities and story refinement meetings to ensure on-time delivery while maintaining 100% test coverage in fast-paced release cycles.
- Built and published Angular UI component libraries for AG Grid with production-level features, supporting over 10 teams of developer, traders, and analysts across business domain.
- Used TailwindCSS CLI and NX to streamline design token generation, cutting maintenance time by 90% and improved token accuracy.
- Leveraged Github Copilot to generate library API documentations, boosting productivity by 200%.
- Reviewed 7 to 12 PRs per week with focus on code reusability, best practices, latest Angular practices, scalability, and performance.
- Streamlined end-to-end testing using Playwright fixtures to reduce code duplication and improved test stability by 90%.

Navy Federal Credit Union - Contract, *IT Developer*   08/2024 – 03/2025
- Documented over 170 REST and SOAP APIs hosted on Azure with DB2 and Mainframe backend systems.
- Automated API documentation process by parsing OpenAPI specs using FasterXML/Jackson, reducing manual effort by 80% while minimizing human error.

Discover Financial Services - Contract, *Fullstack Developer*   02/2023 – 08/2024
- Redesigned a legacy batch process to a Kafka driven system, reducing process time for over 3 million records from 6 hours to under 30 minutes with fault tolerance, high-throughput, and log monitoring.
- Implemented auto-scaling using OpenShift to handle spikes during Kafka kickoff events, lowering cloud service overhead while maintaining process efficiency.

- Implemented ELK stack(Elasticsearch, Kibana) to monitor Kafka log and automate email notification, improving debug efficiency by 60%.
- Redesigned a large monolithic frontend app to a React/Angular framework-agnostic micro-frontend architecture using Webpack Module Federation, reducing release cycle times by 40%.
- Architected microfrontend state management using open-souced library(redux-micro-frontend) to streamline app state communication pattern for cross functional team.

Fidelity Investments - Contract, *Fullstack Developer*   02/2022 – 02/2023
- Build an Angular UI to manage over 800 specialized form elements with sophisticated inner relations using reactive form.
- Integrated with Java microservice backend to perform CRUD operation on special form elements, bridging business users and developers to efficiently roll out updated list to production.
- Implemented extraction, transformation, and loading(ETL process) of over 65 data points from legacy system like DB2, Oracle, Mainframe to target systems.
- Created an Angular dashboard UI and utilizd RxJS to asynchronously report data migration status and errors.

Capgemini, *Associate Consultant*   08/2021 – present
- Led digital transformation initiatives focusing on optimizing business processes and developing innovative solutions to boost operational efficiency while maintaining.
- Guided junior developers in understanding core business values, delivery strategies, and client communication, facilitating a smooth transition to billable roles.
- Effectively used learning resources to acquire high demand skills within the industry.
- Actively maintained a network of talent across various software engineering disciplines to efficiently fill open positions with the best candidates.
- Maintained open communication chanel and positive relations with project stake holders.