

# Zhuofeng Wang

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## EDUCATION

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**Northeastern University**, San Jose, CA Jan. 2024 - May 2025  
M.S. in Computer Science

**New York University, College of Arts and Sciences**, New York, NY Aug. 2020 - May 2023  
Joint B.A. Computer Science and Mathematics

## PROFESSIONAL EXPERIENCE

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**Overstock.com, Inc.**, Remote | *Development Intern, Core Service Team* May 2022 - Aug. 2022

- Deployed Route-Manage-UI project with **ReactJS** and **Redux**, allowing over 500 software engineers to efficiently manage web gateway's exposed URLs and associated services
- Integrated **Okta** for user authentication, enabling editing routes permissions based on ACL group; and subsequently developed backend endpoints using Http4k, ensuring secure data transmission through Okta Token validation
- Amended SKU indexes for 1,000,000+ products using **JDBI**, improving search functionality and data accuracy in **PostgreSQL**
- Leveraged Bitbucket for seamless code collaboration, and utilized **Nginx** and **Docker** to build and deploy the application, and automated deployment processes using **Jenkins**
- Quicken service response time by executing an efficient caching mechanism by means of OkHttpClient with HashMap, and employed Redux store to cache responses, reducing calls to external sources by 50%

**V.I. Global Partner**, Remote | *Web Developer* Jan. 2022 - Apr. 2022

- Built a client management system serving in excess of 30 clients, employing ReactJS on **AWS Amplify** for the frontend and NodeJS on Serverless **AWS API Gateway** for the backend
- Executed UI enhancements with a focus on responsive design and mobile optimization, utilizing Notion and Figma for design and subsequently implementing the changes within the **WordPress** platform

## PROJECTS

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**Ccomparison LLC**, Redwood City, CA | *Independent Developer* May 2023 - Present

- Utilized **Figma** for prototyping and implementing user interfaces to streamline the design-to-development workflow
- Developed website pages with ReactJS and Redux, and created dynamic routes in **Next.js** to enhance SEO indexing and the user experience
- Employed **Node.js** to developed robust backend systems, delivering scalable and high-performance solutions for web applications and integrated with OpenAI's APIs to increase development capabilities and expand functionality
- Adopted **DigitalOcean's** cloud infrastructure to efficiently deploy, manage and scale web applications and services
- Enhanced **MongoDB** query performance for searching words by creating indexes and implementing **pagination**, resulting in a 23% reduction in response time

**Workday Web Service**, New York, NY | *Independent Developer* Jan. 2022 - Apr. 2022

- Developed **RESTful APIs** using **Spring Boot** and used reusable templates with Thymeleaf to assist corporate human resource management departments
- Leveraged **KafkaAdmin**, **KafkaTemplate**, and **KafkaListener** to establish a robust asynchronous communication mechanism between microservices involved in email sending, enhancing system scalability and performance
- Applied **PostgreSQL** to store user data and performed CRUD operations using **JDBC**, ensuring data integrity along with efficient data manipulation and database connection handling
- Implemented a distributed cache using **Redis** to improve application performance, reducing database load by 30%
- Created custom log formats and loggers using **Log4j2** to capture critical events, facilitating effective troubleshooting
- Successfully deployed the server on **AWS EC2** (Amazon Web Services) to handle more than 125 queries per second

**PET Blog Service**, New York, NY | *Independent Developer* Apr. 2022 - Jul. 2022

- Created a blog sharing service with **ReactJS**, ameliorating the user interface and user experience with **Semantic-UI**
- Configured serverless backend resources with Amplify CLI and implemented user authentication with **AWS Cognito**
- Enabled CRUD operations on Amazon **DynamoDB** with AppSync GraphQL APIs for effectual data management
- Crafted a Git-based CI/CD workflow on Amplify and stored image files for blog posts in **AWS S3**

## TECHNICAL SKILLS

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- **Languages:** C/C++/STL, Python, MATLAB, Java, HTML, CSS, SQL, JavaScript, Kotlin, PHP
- **Frameworks/Library:** React.js, Express.js, Flask, Spring Boot, Redis, Kafka
- **Databases/Tools:** MongoDB, PostgreSQL, AWS, Git, Postman, Mocha and Chai, Nginx, Jenkins, Jira, Docker
- **Coursework:** Data Structures, Basic Algorithms, Cloud Computing, Operating Systems, Object Oriented Programming, Software Engineering, Database Design and Implementation, Distributed Systems