Shaoyu Chen

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TECHNICAL SKILLS

Programming Languages: JavaScript, C++/C, Java, Python, React, MongoDB, PostgresSQL, MYSQL, HTML, CSS, Node.js

Development Tool: AWS (EC2),Git, feature branch workflow

Fundamentals of Computer Science: Data Structures, Algorithms, Object-Oriented Design, System Design

RELEVANT PROJECTS

Then Auticalnine | Full Stack Engineer | Remix, TailWind, Auto Ai, MapBox, PostgreSQL   **Jul '24**

A cruise Booking System

- Developed a Full Stack Application using **Supbase, Remix framework, and Tailwind CSS** within a 2-week deadline
- Utilized Jest to conduct comprehensive front-end component tests, ensuring a user-friendly and intuitive interface, and employed K6 to evaluate back-end scalability, guaranteeing robust performance under peak traffic conditions.
- Integrated 2-factor authentication to prevent user information security

Huskey Helper Shopping System| Full Stack Engineer | Express, Node.JS, AWS, Nginx, PostgreSQL, AWS   **Jul '24**

A E-commerical shopping system Backend Development

- Enhanced website speed by 30% and optimized traffic flow by implementing **Nginx for load balancing across two backend servers**, reducing response time and boosting traffic capacity to ensure consistent server performance
- Enhanced PostgreSQL query performance by applying **multi-column indexes** strategies, resulting in a notable 50% enhancement in response times
- Deployed and managed server applications on AWS EC2, ensuring optimal configuration, security, and performance for high-availability RESTful APIs, significantly enhancing operational efficiency and system scalability.

Reggie Takeout|Java Developer|HTML5, CSS3 JavaScript, Java, MySQL, Vue,   **Jul '24**

Online food ordering system

- Leveraged cutting-edge technologies (**H5, CSS, JavaScript, AJAX, Spring, Spring Boot, Spring MVC**) to craft dynamic web content, accelerating page rendering speed by 50% and achieving a 30% enhancement in overall website performance
- Employed Maven as the primary build tool to overhaul project dependency management, resulting in a **50% reduction in time spent resolving conflicts** and elevating overall project efficiency
- Implemented Java 8 features such as Lambda Expression, Stream, and Functional Interface

EDUCATION

Master of Business Analysis, Baruch College   **Aug '22**

Certificate in Advanced Software Engineering, Hack Reactor   **Jul '24**

Master of Computer Science, College of Staten Island   **Aug '19 - Dec '20**

Bachelor of Computer Science, College of Staten Island   **Aug '15 - May '19**

PROFESSIONAL EXPERIENCE

College of Staten Island | Professor Assistant   **Aug '20 - Dec '20**

- Revamped course materials and developed interactive exercises with a colleague, resulting in a 25% increase in student engagement and a 15% improvement in exam scores, while also facilitating a collaborative learning environment and teaching a comprehensive C programming curriculum.

College of Staten Island | Computer Science Tutor   **Apr '18 - Dec '19**

- Provided personalized tutoring to over 5 students in Java, C++, HTML, and JS, aiding in their successful assignment and project completions, and used pseudo-code to clarify advanced computer science concepts, significantly improving their analytical and problem-solving skills.