

LEON LI

FULL STACK DEVELOPER

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Experienced full-stack developer with a professional 7+ years journey crafting cutting-edge software solutions. Specializing in back-end technologies such as Java, Go, Node.js, Nest.js, and GraphQL, excelling in building robust databases, Restful APIs, and microservices for Enterprise-level applications. Proficient in DevOps practices, demonstrating expertise in building CI/CD pipelines, utilizing Docker Images, and implementing Unit Testing. Commitment to diversity and collaboration evident in active engagement with cross-functional teams, fostering effective communication. Skilled in front-end technologies including React, Next.js, TypeScript, Redux, and React Hooks, dedicated to delivering scalable and pixel-perfect user experiences. Expertise extends to the blockchain realm, focusing on the web3 domain. A solution-oriented expert, innovative mind, and results-driven developer bringing a unique and impactful touch to every project.

PROFESSIONAL EXPERIENCE

Techmedics, Dallas

04/2020 – 12/2023

Full Stack Developer (Remote)

Contributed to the success of an enterprise-level financial services platform, serving over 100k+ users, through valuable contributions to the development and optimization of software solutions.

- Led the development of a robust back-end system using Java, impacting the platform's performance and responsiveness.
- Optimized PostgreSQL database structures and queries, resulting in a 30% reduction in system latency and enhancing data retrieval efficiency.
- Implemented strategic caching mechanisms, reducing load times by 25% for critical functions and improving overall user experience.
- Managed and maintained API endpoints, implementing robust error handling, optimizing performance, and ensuring secure data transmission to enhance system reliability and scalability.

Played a key role in the success of a real-time collaboration platform, actively participating in its development and optimization to meet the needs of a substantial user base exceeding 10k+ individuals.

- Directed the development of responsive and intuitive front-end interfaces using React.js.
- Executed and built back-end functionalities using Node.js and NestJS, contributing to the platform's robust architecture and scalability to accommodate a 50% growing user demands.
- Successfully integrated third-party APIs and services like Twilio, Agora, and Google Cloud TTS, expanding the platform's functionality and providing users with a comprehensive suite of collaboration tools.

- Identified and addressed performance bottlenecks, resulting in a 15% increase in overall system efficiency and responsiveness.
- Established a robust CI/CD pipeline on AWS, incorporating Docker images and optimizing a GitHub workflow, leading to a significant 30% improvement in development speed and efficiency.

Azumo, San Francisco

11/2017 – 03/2020

Full Stack & Mobile Developer (Remote)

Led the development of a healthcare information system as the lead full-stack developer, contributing to a 20% increase in system efficiency.

- Achieved a 15% increase in query efficiency by optimizing GraphQL schemas and utilizing batched requests.
- Engineered a secure and scalable RESTful API for the healthcare information system using Node.js, ensuring efficient communication between the front-end and back-end components.
- Implemented cron jobs in Express.js for scheduled tasks, such as data backups and routine system maintenance, contributing to a 15% improvement in system reliability.
- Executed interactive data visualizations using React components, enhancing the representation of healthcare data and facilitating a 50% better understanding for end-users.
- Integrated Redux for complex state management scenarios, contributing to a 40% decrease in application bugs related to state inconsistencies.
- Boosted UI responsiveness by utilizing useQuery with cached queries for efficient patient data fetching, complemented by useMutation to streamline data mutations and ensure a significant improvement in overall application performance.

Pioneered the development and implementation of a cutting-edge Language Learning Chatbot, leveraging Python-based AI algorithms to create an interactive and personalized language learning experience for users, attracting and engaging over 10k+ learners globally.

- Applied AI-based speech recognition in Python for accurate pronunciation evaluation during language exercises, providing instant feedback to users for improved spoken language skills.
- Incorporated external language APIs seamlessly into Django, enriching language data sources and providing users with diverse and up-to-date language content for learning purposes.
- Designed a responsive layout using Tailwind CSS, allowing the Chatbot to adapt seamlessly to various screen sizes and devices for a consistent user experience.
- Utilized Next.js Server-Side Rendering to optimize the performance of the front-end, achieving a 20% reduction in page load times, ensuring swift content delivery and improving SEO rankings by generating responsive pages on the server, resulting in a seamless and responsive user experience.
- Conducted thorough 200 code reviews, designed best practices with TypeScript, and employed unit testing using Jest, Mocha, and Chai, ensuring comprehensive test coverage and elevating the overall quality, maintainability, and reliability of the codebase.

Frontend Web Developer (Remote)

- Showcased expertise in front-end technologies, building over 100+ responsive, pixel-perfect landing pages for 20 clients with React.js, Html, Bootstrap, and TypeScript.
- Enacted OAuth2 authentication and authorization flows in the Node.js-based e-commerce site backend, utilizing JWT tokens for secure and stateless user sessions.
- Utilized JSP's support for JavaBeans in conjunction with MySQL, facilitating efficient data handling and processing for a seamless user experience.
- Delivered 5 prototyping websites for both companies and clients, utilizing React.js, Material UI, and Styled Components.
- Advanced proficiency in back-end technologies, mastering Java, Node.js, and Microservices.

EDUCATION

The University of Texas at Dallas

04/2012 - 08/2016

Bachelor of Computer Software Engineering

PROFESSIONAL SKILLS**Languages:** Java, JavaScript, TypeScript, HTML5, GraphQL, Python3, SQL, XML, UML HTML, CSS**CSS & UI Frameworks:** Bootstrap, Material UI, Tailwind CSS, Styled Components**Libraries / Frameworks / APIs:** React, Redux, Next.js, web3.js, Node.js, Jest, Spring, JSP, OAuth2, NestJS, Vue.js, Express.js, Svelte, Django, JSON API, RESTful APIs, Stripe API, AWS Amplify, Twilio API, OpenAPI**Platforms:** AWS Lambda, Amazon EC2, Amazon Web Services(AWS), Docker, Java EE, Twilio, Agora**Paradigms:** Microservices, Agile, Unit Testing, Automated Testing, Scalable Application, Event-driven Programming, Cross-Platform, DevOps**Databases:** MySQL, PostgreSQL, Amazon S3(AWS S3), Redis, MongoDB, Google Firebase, Supabase, MariaDB, Prisma**Version & PM Control:** Git, GitHub, BitBucket, Jira, Asana, ClickUp, CI/CD Pipelines**Others:** SaaS Development, Product Development, Web Development, Full Stack Development, Front-End Development, Back-End Development, Database Development, Cloud Platform Development, Unit Test