Toronto, Ontario, Canada

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FRANK JIA

Software Developer

PROFESSIONAL SUMMARY

Full-Stack Developer with 4 years of experience in Node.js, React (Next.js), and TypeScript. Skilled in developing scalable backend services, high-performance applications, and microservices using Express, Next.js, and Tailwind CSS. Experienced in cloud deployments, Agile development, and the full software development lifecycle (SDLC). Passionate about code quality, system optimization, and continuous learning.

SKILLS

JavaScript, TypeScript, Java, Python, PHP, SQL, React.js, Next.js, Node.js, Spring Boot, Docker, Kubernetes, AWS, Azure, GraphQL, MongoDB, PostgreSQL, MySQL, Redis, Git, Microservices, Socket.io, RabbitMQ, Unit Testing, CI/CD, Linux, Agile

LINKS

LinkedIn:
www.linkedin.com/in/frank-jia

Github:
https://github.com/frankj9052

Website:
https:// frankjhub.com/portfolio

Storybook:
https://frankjhub.com/shared-ui

EMPLOYMENT HISTORY

FULL-STACK DEVELOPER   **Aug 2023 - Present**
DMSolving Corporation   *Toronto, Ontario*

- Contributed to full-stack development using React (Next.js) and Node.js, focusing on frontend optimization, API design, and database management.
- Implemented robust form validation for user authentication using React Hook Form and Zod, ensuring data integrity and improved user experience with TypeScript.
- Implemented JWT-based OAuth 2.0 authentication and role-based access control (RBAC) before migrating to AWS Cognito for enhanced security, scalability, MFA support, and multi-provider authentication.
- Worked on microservices development within a Kubernetes-based architecture, focusing on scalability and inter-service communication.
- Developed unit tests (Jest) and API integration tests (SuperTest) for Node.js authentication services, covering JWT generation, validation, and role-based access control to ensure secure authentication flows.
- Developed and maintained reusable Node.js packages for internal microservices, including an "ErrorHandler" module that applies Strategy and Factory design patterns to improve error management and maintainability.
- Implemented and optimized GitHub Actions CI/CD pipelines to automate workflows and improve deployment efficiency.
- Documented system architecture to support team collaboration and maintainability.

FULL-STACK DEVELOPER   **Jun 2022 – Aug 2023**
Mark2win Corporation   *Toronto, Ontario*

- Contributed to the development of a full-stack e-commerce platform using React and Node.js.
- Assisted in designing REST APIs with Express, following best practices for performance and scalability.
- Worked on database modeling, data migrations, and seed data management using TypeORM.

Education

Diploma of Computer Programming   **Sep 2018 – Jun 2020**
Seneca College   *Toronto, Ontario*

Projects

Noqclinic – AI Powered Medical Appointment Platform

An AI-driven medical booking system that streamlines appointment scheduling and enhances clinic efficiency.

- Scaled the platform to handle hundreds of concurrent users, serving both patients and healthcare providers.
- Built a doctor shift and booking management system integrated with Oscar EMR to synchronize appointments and process real-time booking updates. Improved security by migrating authentication from JWT-based OAuth 2.0 to AWS Cognito, enabling multi-provider authentication.

Plush-up – VR Gaming Platform

Official website for a multiplayer VR gaming platform, enabling user authentication, social interactions, and digital asset management.

- Built a feature-rich gaming website using React (Next.js), allowing players to log in, engage in community activities, and track in-game progress.
- Enhanced UI responsiveness and player engagement through advanced animations using Framer Motion.
- Developed an admin dashboard with React (Next.js) to manage users, digital assets, and in-game analytics, integrating with backend APIs for real-time data updates.

DMSolving Official Website

A high-performance, SEO-optimized corporate website for DMSolving Corporation.

- Developed a responsive front-end using Tailwind CSS, ensuring a seamless user experience.
- Improved website load time through Next.js server-side rendering and image optimization.
- Implemented SEO best practices, increasing organic search visibility and user engagement.