**Chris Ma**

Central, Hong Kong • velopace7@gmail.com

**SUMMARY**

Quality-oriented professional Full Stack Developer with over 8 years of experience in building and maintaining end-to-end web applications. Proficient in designing and developing both backend services and frontend interfaces using modern JavaScript frameworks. Experienced in working with Node.js, Express.js, React.js, and MongoDB to deliver high-performance, scalable, and user-friendly applications. Adept at collaborating with cross-functional teams and leading projects from conception to deployment.

**TECHNICAL SKILLS**

**Backend Development:** Node.js, Express.js, RESTful APIs, GraphQL, Microservices, Serverless Architecture

**Frontend Development:** React.js, Redux, HTML5, CSS3, JavaScript (ES6+), TypeScript, Bootstrap, SASS

**Databases:** MongoDB, MySQL, PostgreSQL, Redis

**Version Control:** Git, GitHub, Bitbucket

**Security:** JWT, OAuth2, Data Encryption, Secure API Design, XSS/CSRF Protection

**Testing & Debugging:** Jest, Mocha, Chai, Cypress, Postman

**DevOps & CI/CD:** Docker, Kubernetes, Jenkins, GitLab CI, AWS (EC2, S3, Lambda, RDS)

**Others:** WebSockets, Asynchronous Programming, API Integration, Agile/Scrum Methodologies

**PROFESSIONAL EXPERIENCE**

**Self Employed**, Central, Hong KongNov 2023 – Present

**Senior Software Engineer**

* Developed and maintained full-stack web applications using Node.js, Express.js, React.js, and MongoDB, delivering high-quality, responsive, and user-friendly interfaces.
* Designed and implemented RESTful APIs, ensuring seamless integration with frontend applications and third-party services.
* Created reusable components and optimized state management in React.js using Redux, improving code maintainability and reducing development time.
* Integrated MongoDB for efficient data storage and retrieval, implementing complex queries and aggregation pipelines.
* Led the development of a serverless architecture using AWS Lambda and API Gateway, reducing infrastructure costs and improving scalability.
* Collaborated with UI/UX designers to implement responsive designs, ensuring optimal performance across various devices and browsers.
* Wrote unit and integration tests using Jest and Mocha, maintaining high test coverage and ensuring the stability of the applications.

**Educative**, Bellevue, WA, United StatesJan 2022 – Oct 2023

**Full Stack Developer**

* Engineered scalable web applications using Node.js for the backend and React.js for the frontend, delivering seamless user experiences.
* Developed dynamic and interactive user interfaces using React.js, optimizing components for performance and reusability.
* Implemented authentication and authorization mechanisms using JWT and OAuth2, ensuring secure user data management.
* Integrated with various databases, including MongoDB and PostgreSQL, optimizing schema design and query performance.
* Automated deployment processes using Docker and Jenkins, improving development efficiency and reducing time-to-market.
* Conducted code reviews and mentored junior developers, fostering a culture of continuous learning and improvement.
* Participated in Agile ceremonies, including sprint planning, daily standups, and retrospectives, contributing to successful project deliveries.

**Infosys**, Phoenix, AZ, United StatesJan 2020 – Dec 2021

**Backend Developer**

* Developed and maintained scalable backend services using Node.js and Express.js, ensuring high performance and reliability.
* Designed and implemented RESTful APIs to support various frontend applications, improving data exchange and system modularity.
* Created complex MongoDB aggregation pipelines for reporting and data analysis, reducing query times by 30%.
* Integrated third-party APIs and services, expanding the functionality of the core application and enhancing user experience.
* Collaborated with frontend developers to ensure seamless integration of APIs with React.js, improving overall application performance.
* Participated in Agile development processes, contributing to sprint planning, code reviews, and daily standups.

**WeDigitify**, Central, Hong KongJan 2017 – Dec 2019

**Software Developer**

* Assisted in the development of full-stack web applications using Node.js and React.js, gaining hands-on experience in end-to-end development.
* Built and integrated RESTful APIs to support frontend features, ensuring consistent and reliable data flow.
* Collaborated with senior developers to optimize frontend components for performance and scalability.
* Implemented basic authentication and session management using JWT, enhancing application security.
* Worked with MongoDB to perform CRUD operations and implement simple aggregation queries.
* Participated in debugging and troubleshooting efforts, resolving critical issues and improving application stability.

**EDUCATION**

**The University of Hong Kong,** HKApr 2012 – Nov 2016

Bachelor of Engineering - BE, Computer Science