Max Tong

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FULL STACK DEVLEOPER

NodeJS | MERN| Project Management

Summary of Skills

- **5+ years** of professional industry experience as a **Software Engineer**, with full-stack skills; Holds a Master of Communication Engineering, while currently pursuing an Advanced Diploma in Software Engineering Technology
- Proven ability to effectively work through the full software development life cycle, applying Agile practices
- Demonstrated problem-solving skills, developing solutions to meet client requirements and business needs
- **Programming:** NodeJS, Python, JavaScript, HTML, CSS, Java, C#, Dart
- **Frameworks & Libraries:** React, Vue.js, Express, Django, Flask, .NET, Flutter
- **Database Management:** PostgreSQL, MongoDB, SQL
- **Other Tools:** AWS, Git, Jenkins, RESTful APIs, Jest, Figma, Jira, Docker, MVP, Kanban

Work Experience

Full Stack Developer | Ioticiti, Markam, ON   Oct 2020 - May 2023
- Developed IoT network monitor system through the entire development lifecycle, driving $2 million in annual revenue using Nuxt.js, Vue, Tailwind CSS, **AWS**, **Node.js**, Egg.js and **PostgreSQL**
- Enhanced **REST API** response speed by 30% through strategic code refactoring and database optimization, using **Express.js**, and **MongoDB**
- Achieved a 20% reduction in development time by collaborating closely with the CTO and Product Management, and proactive involvement in **agile planning** and precise feature estimation
- Mentored development interns, providing **technical guidance**, **code reviews** and ensured timely project delivery.

Software Engineer | Luci.ai, Toronto, ON   Sept 2019 - Oct 2020
- Optimized the user-facing COVID-19 temperature detection application through automated deployment and iterative features, resulting in enhanced user experience and a 20% reduction in client training time
- Streamlined data collection by creating automated **shell scripts** and **Python programs**, resulting in a 60% reduction in routine maintenance time, enhancing overall productivity
- Designed and built 3 dynamic **web applications** using **React**, **Redux**, Prisma, and **MongoDB**, while also contributing to the refinement of development documentation
- Elevated code coverage to 80% through enhanced unit testing, resulting in heightened release stability, fewer production issues, and more frequent shipping

Senior Project Manager | RIFO Holding Group, Markham, ON   June 2018 - Aug 2019
- Led the remote team comprising 5 engineers and a designer to develop marketing software for real estate agents, assisting them in completing property transactions worth $1 billion annually
- Accelerated engineering delivery times by 30% through the implementation of Agile methodologies and refined project planning processes, leading to a significant reduction in project completion timelines
- Worked with director and real estate agents to gather user requirements, strategically formulating project roadmaps

Education

Software Engineering Technology (Co-op) Advanced Diploma | Centennial College, Toronto, ON   Sept. 2024 - Pres.
Courses: Web App Development, Java Programming, Database Concepts (SQL), Mobile App Development, System Design

Master of Communication Engineering | Hangzhou Dianzi University, Hangzhou, China   2011

Select Projects

- Developed *myPass*, a password manager application using Dart, Flutter, GraphQL, Strapi, Mongo, Docker, Express
- Created a bluetooth OBD, with Flutter plugins for OBD and Bluetooth connection using Dart, Java, and Flutter
- Created an Indeed job web crawler for information gathering, using NodeJS, and MongoDB