**Michael Sum**

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Authorized to work in UK, No Visa sponsorship required

**CORE EXPERTISE**

**Languages:** TypeScript | JavaScript | Python | C# | GO | VBA | Adobe ColdFusion | SQL | HTML | CSS

**Frameworks/libraries:** React | React Native | Node.js | Express | NestJS | Django |Expo | jQuery | Knex.js (QueryBuilder) | JWT | Nodemailer | Axios | RESTful APIs | Redux | Zustand | LINQ (Language-Integrated Query) | Gin

**Database**: PostgreSQL | SQL Server / MS SQL

**Tools:** AWS (EC2 | Route 53) | Nginx | Ubuntu | Git | Jira | Postman | Insomnia | SSRS (SQL Server Reporting Services) | ERP System (Epicor 10.2.700) | VS Code | Windows Server | Docker

**WORK EXPERIENCE**

**TOMY Company Ltd** ▪ ***Software Engineer*** ▪Hong KongJul 2023 – Jul 2024

* Web Applications Development: Developed and maintained over 5 web applications using React, JavaScript, HTML, CSS, ColdFusion, C#, VBA, SQL Server, and jQuery improving processes by 25% through automation and reporting solutions (SSRS)
* React Development: Built reusable components and optimized user interfaces with React, improving responsiveness and maintainability
* Database Management: Designed and managed stored procedures, optimized database performance, and ensured data integrity as a database administrator
* Optimized and Customized ERP System: Enhanced system functionality using C#, reducing manual data handling and streamlining business procedures to improve operational efficiency
* Code Refactoring: Contributed to the refactor of JavaScript, and ColdFusion code, improving system performance by 20% and enabling seamless modern browsers compatibility
* API Integration: Integrated RESTful APIs to enable seamless data communication and ensured accurate data transfer between systems
* Client-Facing Experience: Communicated and coordinated closely with cross-functional teams, stakeholders, and clients to gather feedback and requirements for system enhancements and modifications. Translated requirements into technical specifications, aligning solutions with business needs and providing consulting advice, supplemented with guideline documentation
* Agile Collaboration: Collaborated with software engineers and vendors within Agile (Scrum) frameworks to implement software updates, develop new features, and execute system upgrades
* System Monitoring and Debugging: Proactively identified areas for improvement by monitoring, testing, and debugging system performance
* Quality Assurance: Conducted regular audits to ensure data integrity, accuracy, and compliance with organizational standards
* Documentation: Created user guides and technical documentation to assist users in navigating and utilizing the software effectively

**Registration and Electoral Office** ▪ ***Business Analyst*** ▪Hong KongOct 2018 – Feb 2023

* System Development: Assisted in IT system development for voter registration, processing over 400,000 applications by aligning technical specs with users’ requirements and enhancing workflow by providing insights and advices
* Testing Leadership: Led comprehensive testing in staging environments, UAT to ensure system reliability and alignment with user needs, delivering a reliable and user-focused solution
* Data & Reporting: Prepared monthly reports using SQL and SAP Crystal Reports, delivering insights on system performance and data trends to stakeholders
* Data Integrity: Monitored and resolved discrepancies in voter registration records to ensure accuracy
* User Training & Support: Developed and delivered training programs, troubleshooting techniques, and user guides, documentation to enhance system adoption and understanding
* Stakeholder Communication: Facilitated effective communication between technical teams and end-users, ensuring timely issue resolution and seamless solution delivery

**EDUCATION**

**Training Qualifications UK, Tecky Academy** ▪ *Diploma in AI and Programming (Level 5*) 2023

**The University of Hong Kong** ▪ *Master of Social Sciences in Criminology*2017