Jason Ban Tze Tan

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GitHub: https://github.com/Tidbit0519
Portfolio: https://jasonbantzetan.com

SUMMARY

I am a Software Engineer with over two years of experience and a B.S. in Computer Science from BYU–Hawaii. I have a proven track record in delivering high-quality full-stack applications using technologies such as React and ASP.NET Core. My international background and multilingual fluency in English, Mandarin, and Malay enable me to collaborate effectively across diverse teams and drive impactful results.

SKILLS

- Programming Languages: JavaScript, C#, HTML, CSS, Python, SQL, Java, PHP
- Technologies: React, Node.js, ASP.NET Core, AWS, Docker, Unity
- Databases: MySQL, MongoDB, Oracle
- Languages: Mandarin (Native), English (Professional), Malay (Advanced)

EXPERIENCE

Software Engineer   May 2022 – Dec 2024
EIS Department, Brigham Young University – Hawaii   Laie, Hawaii
- Developed a real-time dashboard using React, ASP .NET Core, and MYSQL to monitor external services with high data accuracy and minimum latency.
- Developed a web API using ASP.NET Core and MYSQL to automate the management test records of 3000 users and reduce manual processing time by 95%.
- Integrated SAML Single Sign-On with Quicklaunch IdP to replace cookie-based authentication to enhance web app security.

Web Developer Intern   Jun 2023 – Sep 2023
FamilySearch   Lehi, Utah
- Developed a React-based transliterator prototype for an ancient Filipino script, Baybayin.
- Developed a prototype for dynamic rendering of PDF documents within web pages using react-pdf and the Adobe PDF Embed API.
- Adhered to DevOps best practice and achieved 100% code coverage in unit testing.
- Collaborated with UX/UI designers to implement culturally influenced widgets and pages

Web Developer Intern   Jan 2022 - Apr 2022
Integrated Micro-Electronics, Inc. (IMI)   Laie, Hawaii
- Developed a prototype CRUD web application using XAMP stack to automate the auditing of employees' training record.
- Pioneered an international internship collaboration between IMI and BYUH and achieving a 100% deliverable rate despite 17-hour time zone difference.

EDUCATION

Brigham Young University - Hawaii   Dec 2024
Bachelor of Science: Computer Science   Laie, Hawaii
- CGPA 3.99
- Dean's list – University Honor Roll