BRANDON TAN

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github

linkedIn

Website

EDUCATION

📍 Kuala Lumpur, Malaysia
- Bachelor's of Computer Science

Taylor's university & **University of the West of England**

2020-2023
GPA: 3.88 / 4.0

EMPLOYMENT

📍 Penang, Malaysia

Intel Technology Sdn. Bhd.
Software Engineer

June 2024 - Present

- Technologies used
  - **Front End**: Angular.js (Angular 19) | Typescript | Tailwind CSS | Kendo UI
  - **Back End**: C# | Python
  - **DevOps & Data Analysis**: Application Insights | Power BI | Azure DevOps
- Played a major part in front-end revamping of a solution that deals with hundreds of millions of rows of data to fit customer needs. Was noted as a **key contributor** among the team for reusable and practical code development, primarily adhering to SOLID principles. This revamp improved **user engagement by 15%** and **decreased load times by 20%**
- **Demonstrated rapid technical adaptation** by quickly learning new technologies and architectural patterns to meet diverse customer requirements. Examples include:
  - Self-taught Power BI to design and implement customer-requested analytical reports
  - Acquired C# skills to implement backend changes and feature enhancements
- **Independently** handled customer support and feature development tickets, including gathering requirements, clarifying details and understanding customer objectives, developing feature and test cases, then deploying said feature to pipeline. To date have closed **more than 10 tickets** across multiple technology stacks.
- Built a validator in Python, Pandas to ensure that user data being sent to Database is clean and adheres to data contract. The validator was built to scale and can handle **10 million rows of data in 15 seconds**.

NOTABLE PROJECTS

Full stack Application (SplitBill)
https://github.com/yolopeanut/SplitBill
- Technologies Used:
  - **Front End**: React.js | Vite.js | Tailwind CSS | Tanstack Query | React Router v6 | Typescript
  - **Back End**: Supabase (PostgreSQL, Authentication, Storage)
  - **DevOps:** GitHub Actions, Cloudflare Pages
- Designed and built SplitBill, a **personal project created to solve bill-splitting challenges among friends**, implementing complete CRUD functionality and learning React.js, Supabase, and TanStack Query through hands-on development
- Implemented advanced features including transaction management with multiple splitting methods (equal, percentage, custom), debt settlement system, image uploading/editing, and interactive analytics dashboards
- Optimized data fetching with TanStack Query for efficient caching, background updates, and query invalidation strategies
- Engineered database stored procedures to offload complex calculations from the client, reducing frontend processing and improving application performance
- Established CI/CD pipeline with separate development and production environments
- Designed responsive UI and implemented client-side routing with React best practices including custom hooks, context API, and component composition

ACHIEVEMENTS

- L'Oreal Brandstorm Business Case 2023 **Global Top 3 Champion**.
- Taylor's World Class Scholarship (**Full Scholarship, sponsored by IBM Malaysia**).
- **Dean's list** in Taylor's University **every semester** of university (**GPA 3.75 and above**).
- Recipient of Jeffrey Cheah Entrance Scholarship (**Full quantum**)

SOFT SKILLS

- Strong problem-solving and analytical abilities
- Excellent communication skills, both written and verbal
- Creative approach to tackling complex technical challenges
- Natural curiosity and eagerness to learn new technologies

TECHNICAL SKILLS

Frontend Development: React.js | Angular.js | Vite.js | HTML/CSS | JavaScript | TypeScript | Tailwind CSS | Kendo UI | PWA
Backend Development: Supabase | Firebase | SQL | PostgreSQL | C# | Java | Python | Pandas
DevOps & Cloud: Git | GitHub Actions | Cloudflare CI/CD | Azure DevOps
Data & Analytics: Power BI | Application Insights
Design & Collaboration: Figma | OAuth
Languages: Programming: JavaScript | TypeScript | Java | Python | SQL | C# || Human: English (Fluent) | BM (Basic)