Edgar Russell Teong Kai Han

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EDUCATION

Singapore Management University — Aug. 2020 – Dec. 2024
Bachelor of Accountancy, Information Systems — *Singapore*
- **Relevant Coursework:** Web App Development, Data Structures, Software Engineering, Data Management

University of St. Gallen — Sept. 2023 – Dec. 2023
Singapore Universities Student Exchange Programme, Fall Semester 2023 — *St. Gallen, Switzerland*

EXPERIENCE

Government Technology Agency (GovTech) — Jan. 2023
Software Engineer Intern — *Singapore*
- Worked on the Tech iOSH Refresh Project aimed at providing a more seamless registration portal for more than 2000 safety and health professionals
- Developed unit-tested components for revamped portal to enhance UX through SEO optimisation and accessibility improvements and created a more responsive UI with 70% higher user adoption rates
- Technologies: **React, Figma, HTML/CSS**

Schneider Electric — Aug. 2022 – Dec. 2022
Data Analyst Intern — *Singapore*
- Led data migration and adoption of version-control with GitHub to enable improved workflow tracking & data retrieval across 300 different SQL scripts
- Created a comprehensive SQL data-retrieval script bank for use by entire Internal Audit team
- Developed machine learning algorithm to automate fraud detection for each internal audit cycle with an 80% effectiveness
- Technologies: **SQL, Git, Python, Seaborn, Sci-kit Learn, Pandas**

Accenture — June. 2022 – Aug. 2022
Software Development Engineer in Test Intern — *Singapore*
- Developed testing tools for iHiS Billing Transform project, aimed at digitally transforming the nationwide healthcare billing solution
- Developed test scripts and templates for testing cycle through SOAP APIs and Python
- Technologies: **Python, SOAP APIs**

PROJECTS

TOP Projects | *React, PostgreSQL + Prisma, Node.js, Express.js, RESTful APIs* — Jan. 2024 – Present
- A collection full-stack projects developed from following "The Odin Project" where I self-taught full-stack development
- Projects include web apps such as a functional calculator, a to-do list, a weather app, a full-stack message board

Blog API + Website | *Node, React, TailwindCSS, PostgreSQL + Prisma, Railway, Vercel* — Aug. 2024
- Personal project to develop a Blog API, as well as two separate frontends for viewing and editing posts
- User authentication with JSON Web Tokens, as well as full stack deployment using Railway for the backend and Vercel for the two frontends

Drive Clone/File Uploader | *Node/Express, PostgreSQL + Prisma, Railway, Supabase* — Aug. 2024
- Personal project to replicate file storage websites, complete with user auth and folder hierarchy system.
- Made with Node.js and Express Views, with Prisma + Postgres database and Supabase CDN

TECHNICAL SKILLS & INTERESTS

Languages: Java, Python, C/C++, SQL (Postgres + Prisma), TypeScript/JavaScript, Node.js, HTML/CSS, R, PHP
Frameworks: React, Express, TailwindCSS, GSAP
Developer Tools: Git, Figma, SAP, Jest, Vitest, SuperTest, Redis
Libraries: pandas, NumPy, Matplotlib, seaborn, sci-kit learn
Interests: I'm a computer nerd, I'm a coffee nerd, I'm a mechanical keyboard nerd, I'm a book nerd, I'm a film nerd