

Edgar Russell Teong Kai Han

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EDUCATION

Singapore Management University <i>Bachelor of Accountancy, Information Systems</i> <ul style="list-style-type: none">• Relevant Coursework: Web App Development, Data Structures, Software Engineering, Data Management	Aug. 2020 – Dec. 2024 <i>Singapore</i>
University of St. Gallen <i>Singapore Universities Student Exchange Programme, Fall Semester 2023</i>	Sept. 2023 – Dec. 2023 <i>St. Gallen, Switzerland</i>

EXPERIENCE

Government Technology Agency (GovTech) <i>Software Engineer Intern</i> <ul style="list-style-type: none">• 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	Jan. 2023 <i>Singapore</i>
Schneider Electric <i>Data Analyst Intern</i> <ul style="list-style-type: none">• 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	Aug. 2022 – Dec. 2022 <i>Singapore</i>
Accenture <i>Software Development Engineer in Test Intern</i> <ul style="list-style-type: none">• 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	June. 2022 – Aug. 2022 <i>Singapore</i>

PROJECTS

TOP Projects <i>React, PostgreSQL + Prisma, Node.js, Express.js, Webpack, RESTful APIs</i> <ul style="list-style-type: none">• 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	Jan. 2024 – Present
Blog API + Website <i>Node, React, TailwindCSS, PostgreSQL + Prisma, Railway, Vercel</i> <ul style="list-style-type: none">• 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	Aug. 2024
Drive Clone/File Uploader <i>Node/Express, PostgreSQL + Prisma, Railway, Supabase</i> <ul style="list-style-type: none">• 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	Aug. 2024

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, Webpack
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