

Edgar Russell Teong Kai Han

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EDUCATION

Singapore Management University <i>Bachelor of Accountancy, Computer Science</i> <ul style="list-style-type: none">• Relevant Coursework: Web App Development, Data Structures & Algorithms, Software Engineering, Data Management	Aug. 2020 – Present <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 & Standardized UI components, which led to a 30% reduction in code duplication and improved code maintainability• Improved user experience by implementing user-centered design principles in Figma, resulting in a 25% increase in usability scores from user testing sessions• 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• Automated complex SQL data-retrieval works by creating a script bank for use by entire Internal Audit team, resulting in a 30% reduction in data processing time across the 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 and performed UAT Testing 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, where I identified and documented over 60 critical defects, improving overall software quality and reducing post-release issues by 30%.• Technologies: Python, SOAP APIs	June. 2022 – Aug. 2022 <i>Singapore</i>
EY <i>Audit & Assurance Intern</i>	Dec. 2021 – Feb. 2022 <i>Singapore</i>

PROJECTS

Portfolio Website <i>Next.js, React.js, TypeScript, TailwindCSS, GSAP, Vercel</i> <ul style="list-style-type: none">• My own personal portfolio website made from scratch, showcasing my personality, projects and experience.• Built and designed entirely by me.	Oct. 2024
Blog API <i>Node, React, TailwindCSS, PostgreSQL + Prisma, Railway, Vercel, Supabase</i> <ul style="list-style-type: none">• Personal project of a Blog API with admin and viewer frontends, made from scratch.• User authentication with JSON Web Tokens, as well as full stack deployment using Railway for the backend and Vercel for frontends	Aug. 2024
File Uploader <i>Node/Express, PostgreSQL + Prisma, Railway, Supabase</i> <ul style="list-style-type: none">• Personal project of a file storage websites, complete with user auth and folder hierarchy system.	Aug. 2024

- Made with Node.js and Express Views, with Prisma + Postgres database and Supabase CDN, built from scratch.

TOP Projects | *React, PostgreSQL, Prisma, Node.js, Express.js, Webpack, RESTful API* Feb. 2024 – Sept. 2024

- A collection full-stack projects developed in my undertaking of "The Odin Project" where I self-taught full-stack development
- Projects include frontend webs app such as a weather app and React shopping page, and full-stack web apps such as an inventory site and a RESTful blog API. All built from scratch.

TECHNICAL SKILLS & INTERESTS

Languages: **TypeScript/JavaScript, Node.js, Python, SQL (PostgreSQL + Prisma)**, Java, C/C++, HTML/CSS, R, PHP

Frameworks: **Next.js, Express.js, TailwindCSS, GSAP Animation Library**, Jest

Developer Tools: **Git/GitHub, Webpack, Supabase, Vercel**, Figma, SAP, Redis, Heroku, Railway, Koyeb

Libraries: **React.js**, 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