

# Edgar Russell Teong Kai Han

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## EDUCATION

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

## EXPERIENCE

<b>Government Technology Agency (GovTech)</b> <i>Software Engineer Intern</i> <ul style="list-style-type: none"><li>• Worked on the Tech iOSH Refresh Project aimed at providing a more seamless registration portal for more than 2000 safety and health professionals</li><li>• Developed &amp; Standardized UI components, which led to a 30% reduction in code duplication and improved code maintainability</li><li>• Improved user experience by implementing user-centered design principles in Figma, resulting in a 25% increase in usability scores from user testing sessions</li><li>• Technologies: <b>React, Figma, HTML/CSS</b></li></ul>	Jan. 2023 <i>Singapore</i>
<b>Schneider Electric</b> <i>Data Analyst Intern</i> <ul style="list-style-type: none"><li>• Led data migration and adoption of version-control with GitHub to enable improved workflow tracking &amp; data retrieval across 300 different SQL scripts</li><li>• 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."</li><li>• Developed machine learning algorithm to automate fraud detection for each internal audit cycle with an 80% effectiveness</li><li>• Technologies: <b>SQL, Git, Python, Seaborn, Sci-kit Learn, Pandas</b></li></ul>	Aug. 2022 – Dec. 2022 <i>Singapore</i>
<b>Accenture</b> <i>Software Development Engineer in Test Intern</i> <ul style="list-style-type: none"><li>• Developed testing tools and performed UAT Testing for iHiS Billing Transform project, aimed at digitally transforming the nationwide healthcare billing solution</li><li>• 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%.</li><li>• Technologies: <b>Python, SOAP APIs</b></li></ul>	June. 2022 – Aug. 2022 <i>Singapore</i>

## PROJECTS

<b>Portfolio Website</b>   <i>Next.js, React.js, TypeScript, TailwindCSS, GSAP, Vercel</i> <ul style="list-style-type: none"><li>• My own personal portfolio website made from scratch, showcasing my personality, projects and experience.</li></ul>	Oct. 2024
<b>Blog API &amp; Editor</b>   <i>Node, React, TailwindCSS, PostgreSQL + Prisma, Railway, Vercel</i> <ul style="list-style-type: none"><li>• Personal project of a Blog API with admin and viewer frontends, made from scratch.</li><li>• User authentication with JSON Web Tokens, as well as full stack deployment using Railway for the backend and Vercel for frontends</li></ul>	Aug. 2024
<b>File Uploader</b>   <i>Node/Express, PostgreSQL + Prisma, Railway, Supabase</i> <ul style="list-style-type: none"><li>• Personal project of a file storage websites, complete with user auth and folder hierarchy system.</li><li>• Made with Node.js and Express Views, with Prisma + Postgres database and Supabase CDN, built from scratch.</li></ul>	Aug. 2024
<b>TOP Projects</b>   <i>React, PostgreSQL, Prisma, Node.js, Express.js, Webpack, RESTful API</i> <ul style="list-style-type: none"><li>• A collection full-stack projects developed from "The Odin Project" where I self-taught full-stack development</li><li>• 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 message board. All built from scratch.</li></ul>	Feb. 2024 – Sept. 2024

## TECHNICAL SKILLS & INTERESTS

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

**Frameworks:** React, Express, Jest, Vitest, SuperTest, TailwindCSS, GSAP, Next.js

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

**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