

# Edgar Russell Teong Kai Han

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## EDUCATION

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

## EXPERIENCE

<b>Central Provident Fund Board (CPF Board)</b> <i>Software Engineer Intern</i> <ul style="list-style-type: none"><li>• Worked as part of the Business Incubator &amp; Accelerator team on <b>docCentral</b>, an internal management portal with a Microsoft Word Add-In that automates filling in of long documents and contracts for use across the entire CPF Board.</li><li>• Developed express servers and APIs to contribute to microservice architecture</li><li>• Technologies: <b>GitLab, Next.js, Node.js, Express.js</b></li></ul>	Jan. 2025 - Present <i>Singapore</i>
<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, where I developed &amp; standardized UI components, resulting in a 30% reduction in code duplication &amp; 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>
<b>EY</b> <i>Audit &amp; Assurance Intern</i>	Dec. 2021 – Feb. 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><li>• Built and designed entirely by me.</li></ul>	Oct. 2024
<b>Blog API</b>   <i>Node, React, TailwindCSS, PostgreSQL + Prisma, Railway, Vercel, Supabase</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

**File Uploader** | *Node/Express, PostgreSQL + Prisma, Railway, Supabase*

Aug. 2024

- Personal project of a 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, 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

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

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

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