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SUMMARY

Software engineer with 5 years of experience, looking to transition into a business analyst, data analyst, or data scientist role. Holds a bachelor's degree with a double major in Data Science and Business Management. Brings a strong blend of technical and analytical strengths—combining hands-on full-stack development with a solid foundation in data analysis and statistical modeling, and a proven ability to collaborate across functions to deliver data-driven outcomes.

TECHNICAL SKILLS

Analysis & Data: Statistical Modelling · Python · SQL · R · Excel · Tableau · Power BI · Streamlit

Web Dev Stack: Typescript · NextJS · ReactJS · Tailwind CSS · Zod · NodeJS · Express · Drizzle (ORM) · PostgreSQL · AWS · Git · GitHub · Clerk · Stripe · Supabase

PROFESSIONAL EXPERIENCE

Fullstack Software Engineer — Singapore Press Holdings (SPH)

Singapore — Nov 2023 - Current

- Improve page load speed by 23% through frontend performance refactoring and optimisation using React, TypeScript, and Chrome DevTools, enhancing user experience and boosting engagement across key user journeys
- Develop and maintain APIs and backend services using Python and Node.js to streamline data fetching and delivery, reduce server response times, and support timely content publishing for editorial teams
- Collaborate with product managers, designers, and engineers in agile SCRUM cycles to scope features, translate business requirements, and prioritise development work based on user impact
- Ensure data integrity and application reliability by implementing unit tests with React Testing Library and validating UI behavior in Storybook across components and tracked events
- Participate in architecture discussions on security, scalability, and CI/CD pipelines, contributing to the delivery of performant and stable experiences for high-traffic products

Front-End Web Developer — New Creation Church (NCC)

Singapore — Sep 2021 - Oct 2023

- Built and debugged 30+ single page applications, utilising HTML, CSS, JavaScript and Webflow's proprietary CMS and custom coding features across a 2-year period
- Provided technical consultation to designers by analysing wireframes and offering insights on the feasibility of their design concepts, resulting in a streamlined and efficient development process
- Translated business and user requirements to functional frontend codes, building and maintaining reusable code components and scalable UI libraries within Webflow to streamline future development

System Analyst — Grab Financial Group

Singapore — March 2021 - Sep 2021

- Improved loan recovery rate from 87% to 93% by analysing repayment data and designing targeted collection strategies, enabling the recovery of over SGD\$0.33M within two months, with users reporting enhanced operational efficiency and smoother day-to-day operations on the platform

Data Engineer — Alibaba Group

Singapore — Aug 2020 - Dec 2020

- Enhanced NLP model accuracy by 8% through data crawling, preprocessing, and continuous large language model training—contributing to a successful contract win in a competitive bidding process

EDUCATION AND QUALIFICATION

Bachelor of Science in Data Science & Business Management — University of Western Australia

Perth, Australia

Concentrations: Advanced Statistics, Data Engineering, Analysis and Visualisation, Business Analysis and Strategy

- Managed a student-run café, increasing weekly sales by 23% through data-driven strategies and working directly with university leadership on sustainability and long-term planning for the café

Diploma in Business Informatics — Nanyang Polytechnic

Singapore

Concentrations: Mobile Service and Applications, Business Intelligence and Analysis, Database Management Systems

- Contributed to OCBC bank as a consumer banking intern and raised customer satisfaction by 16% by collaborating with other interns to conduct data collection, cleaning and analysis of key systems like ATMs and online banking