

SIMON PHAM

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FULL STACK DEVELOPER

A full-stack developer with expertise in TypeScript, Python, HTML, CSS, JavaScript, SQL, AWS, React, and Docker. Specializing technology with a strong passion for finance, I have experience creating user-centric tools and scalable backend solutions. My hands-on experience includes delivering end-to-end projects and leveraging cloud technology and APIs.

PROFESSIONAL EXPERIENCE

Brain Surfers - Melbourne

November 2023 - February 2024

Software engineer

- Project link: <https://tornoelo.com/chess>
- Developed e-commerce function for a (chess gaming community)
- Built a backend database using Prisma and conducted data seeding.
- Built and integrated frontend components and modals into the existing TypeScript project.
- Integration testing to ensure compatibility of the e-commerce website with the existing project.
- Facilitated collaboration between developers and project managers.
- Actively contributed to frontend development tasks, including UI/UX design, coding, and bug fixing.

Accomplishments:

- On-time development and completion of all necessary system functions
- Building frontend components that are reusable and compatible with the current project.
- Facilitated effective collaboration and provided valuable insights.

Stock Insight - Melbourne

February 2024 - July 2024

Software engineer

- Project Link: <https://thestockinsight.com/>
- Backend Development: Python for data retrieval, dynamic programming for index calculations, and real-time updates with web scraping.
- AWS Integration: Utilized AWS Lambda, API Gateway, RDS, and Amplify for hosting APIs and the website, focusing on optimizing speed and reducing latency.
- Data Analysis: Autonomous collection and analysis of real-time data to identify profitable stock opportunities.
- Frontend Development: Built with React and Chart.js for dynamic visualization of stock charts.

Accomplishments:

- The project is now in testing stage with public traffic. The project start to prove its effectiveness and user friendly interface.

Blackwind software - Hanoi

February 2022 - July 2022

Business analysis, Frontend intern developer

- Frontend development tasks, including UI, UX design and coding, bug fixing.
- Utilised SQL, Postgres, React, and Express to assist in the allocated projects.
- Tasked with analysis and providing recommendations to enhance software development processes in a dynamic IT environment.
- Facilitated collaboration between developers and project managers.
- Provided insights and recommendations for project planning.

Accomplishments:

- Adoption of agile methodologies led to a 20% reduction in project delivery time.
- My contributions to project planning and recommendations played a key role in achieving a 10% increase in successful software releases, minimising post-release issues and user complaints.

- Developed a web-based online tool aimed at enhancing document generation efficiency while effectively managing user data and safeguarding sensitive information.
- The tool was designed to create a wide range of documents in a streamlined manner, utilising a tech stack that included a React based frontend, a Node.js backend, and various technologies like Express.js, Email.js, Axios, and AWS for database hosting.

Accomplishment:

- Designed and implemented the complete database system and API for the project, ensuring data integrity and accessibility.
 - Integrated Email.js to facilitate email communication and notifications within the platform.
 - Employed AWS for robust and secure database hosting, safeguarding sensitive information.
 - Contributed to enhancing productivity and document management processes through innovative solutions.
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SKILLS

Programming Languages: JavaScript, Python, Java, C++, C#

Database Tools: MySQL, PostgreSQL, MongoDB

DevOps Tools: Git/GitHub, Docker

Web Development Frameworks and tools: React.js, Node.js, Express.js, Graph.js, Axios.

Interpersonal Skills: Fast learner, Team Collaboration, Effective Communication, Problem-Solving, Adaptability, Time Management.

Cloud Technologies: AWS (Amazon Web Services), AWS Lambda, API Gateway, EC2 (Elastic Compute Cloud), Elastic IPs, CloudWatch, S3 (Simple Storage Service), RDS (Relational Database Service), IAM (Identity and Access Management), VPC (Virtual Private Cloud)

EDUCATION

Swinburne University of Technology

Bachelor of Computer Science - GPA: 3.5 - Graduated in December 2023

Swinburne University of Technology

Diploma of Information Technology - GPA: 3.2
