Theodore Xavier

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SUMMARY

Results-oriented junior software engineer with a proven track record of delivering high-quality solutions and providing value to organizations. Proficient in full-stack development, project management, and technical consulting, I am dedicated to leveraging my expertise to contribute to the success of your company.

SKILLS

Programming Languages	JavaScript, HTML, CSS, Python Java, C++
Frameworks / Libraries	React, Angular, Django
Databases / ORM	MariaDB, PostgresSQL
Other	Git, Bash, AWS (S3, EC2, RDS, Amplify), Netlify, Unreal Engine 5

EDUCATION

Bachelor of Engineering (Software)

Diploma in Engineering Practice

University of Technology, Sydney

2016 – 2023

Engineering Thesis - High Distinction
Data Structures & Algorithms - High Distinction
Application Programming – Distinction

PROJECTS

Self-monitoring Back Pain – Developed a native mobile app prototype that would allow patients to self-monitor their chronic pain symptoms, as part of my Engineering Capstone project. Used: **React Native, JavaScript**

Find more projects and further info at GitHub

https://theodore221.github.io/react-portfolio-website

EXPERIENCE

Software Developer   Sep 2022 – Mar 2023
The ItsMy Group // Melbourne

- Developed and maintained an AngularJS / Django stack application to support the operations of Australia private health funds.
- Utilized React to enhance and modernize the frontend of the application, resulting in improved user experience and increased efficiency.
- Fostered effective collaboration by liaising and partnering with DevOps consultants to build and maintain a robust deployment infrastructure.
- Proactively identified and resolved issues and bugs, ensuring that customers received accurate and up-to-date insurance policies.
- Authored documentation on key modules of the codebase, facilitating future development and maintenance efforts.

Technical Program Specialist   Feb 2022 – Sept 2022
Yarra Ranges Tech School // Melbourne

- Spearheaded the development and enhancement of the technology stack to facilitate effective STEM learning programs.
- Leveraged C++ programming skills to create engaging Arduino projects, fostering hands-on learning experiences.
- Led game development initiatives utilizing Unreal Engine 5, resulting in immersive and interactive educational experiences for students.
- Conducted research to identify and implement innovative teaching and learning methodologies, integrating augmented reality (AR) and virtual reality (VR) experiences.

Co-founder - SkinSaver // Sydney   June 2019 – July 2020

Developed a mobile application that allows for AI based detection and tracking of various skin lesions (i.e. Melanoma, Acne, and Eczema).

- Developed a marketable MVP using **React Native, Javascript, PostgresSQL** and utilized AWS for storage **(Amazon s3)** and routing **(Amazon Route 53).**
- Assisted in development of robust Image Classification model using Convolutional Neural Network built on **TensorFlow** with **Python.**
- Successfully pitched our product and business venture to UTS earning the award for "Most Technically Feasible Prototype".

Procurement Support Officer   May 2018 – July 2021
Toshiba International // Sydney

- Improved workflow efficiency by designing customized auto-generating templates for essential documentation using **Excel VBA** programming.
- Heightened team performance by facilitating the execution and administration tasks of the Parts & Procurement team within the Operations division