Theodore Xavier

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SKILLS

Languages / Frameworks: HTML (Proficient), CSS3 (Proficient), JavaScript ES6 (Proficient), React.js (Proficient), Tailwind CSS (Beginner), Python (Intermediate), Django (Beginner), AngularJS (Beginner)

DevOps / Databases: AWS (S3, EC2, RDS, CloudFront), MariaDB, PostgresSQL

Other: Git, Agile, Windows, Mac OS, Linux , Figma

WORK EXPERIENCE

The ItsMy Group • Melbourne   **Sep 2022 – Sep 2023**
Software Developer

- Spearheaded the upkeep of a robust Angular.js / Django data driven application supporting Australian private health funds; Resulting in increased service delivery speeds by 9% and increase in system uptime by 15% which culminated in more health fund transactions and member signups.
- Elevated website functionality and improved UX by leveraging React.js to revamp the application's frontend. Designed custom themed components for individual health fund organizations, leading to a 20% increase in conversions.
- Refined the deployment process and optimized AWS infrastructure by collaborating with DevOps consultants; which resulted in a 35% increase in the frequency of successful deployments and reduced cloud related resource costs by 20% annually.
- Collaborated in a fast-paced Agile environment, actively engaging in Sprint Retros, that resulted in better project outcomes and a 20% reduction in user reported bugs.
- Revamped core back-end API to seamlessly integrate with Salesforce and ZOHO CRM with OAuth authentication, optimizing data management and enhancing operational capabilities of the application.

Yarra Ranges Tech School • Melbourne   **Feb 2022 – Sep 2022**
Technical Facilitator / Programmer

- Spearheaded the development and enhancement of the technology stack to facilitate effective STEM learning programs.
- Led game development initiatives utilizing Unreal Engine 5, resulting in immersive and interactive educational experiences for students.
- Conducted extensive research to identify and implement innovative teaching and learning methodologies, integrating augmented reality (AR) and virtual reality (VR) experiences.

Skin Saver · Sydney   **Jun 2019 - Jul 2020**

A startup developing an application that could allow for AI-based detection and tracking of various skin lesions (i.e. Melanoma, Acne, and Eczema).

Co-founder

- Developed a marketable MVP using React Native, Express.js, PostgresSQL and AWS (S3, Route 53).
- Assisted in the development of a robust Image Classification model utilizing Convolutional Neural Networks built on TensorFlow.
- Successfully pitched our product and business venture to UTS earning the award for "Most Technically Feasible Prototype".

Toshiba International Corporation · Sydney   **May 2018 - Jul 2021**

Systems Support Officer

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

PROJECTS

Self-monitoring for Chronic LBP

Developed a mobile application prototype that would allow patients to self-monitor their chronic pain symptoms, as part of my Engineering Capstone project.

Stack: ReactNative, FireBase, Figma

Find more projects and further information at Github

AWARDS & SCHOLARSHIPS

New Colombo Plan Scholarship Program   Dec 2018

Department of Foreign Affairs & Trade

EDUCATION

Bachelor of Engineering (Honours) in Information and Communication Technology, Diploma in Professional Engineering Practice

University Of Technology Sydney   Nov 2023

Engineering Capstone - High Distinction

Data Structures & Algorithmns - High Distinction

Application Programming - Distinction