Jayden Whiley

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Education

Queensland University Of Technology

Bachelor of Electrical Engineering

Skills

Typescript, Javascript
React & React Native
Redux, Material UI
HTML, CSS

Node.js, Next.js, .Net (C#)
SignalR / WebSockets
PostgreSQL & Marten
MongoDB

Azure, Heroku
Azure DevOps, Docker

OSX, Linux (Ubuntu Mate)

Avocational

Flutter (Dart), Svelte
Solidity, Web3.js
Arduino (C/C++)
Java, Python

Experience

Lead Software Engineer | Corbel Technologies | 10.2019 to Current - Full Time

Led a team of three developers in the design and development of bespoke software applications for diverse industries, including legal, healthcare, building maintenance, and car rental sectors.

Rental Management PWA (SIXT Australia)

- Architected and developed a Progressive Web App (PWA) using React, TypeScript, and .Net (C#) for SIXT Car Rentals Australia, enhancing their rental process.

- Integrated features such as digital signatures, vehicle photos and car condition reporting.

- Successfully managed the application's performance, currently facilitating 10,000 monthly rentals and serving 30 locations across Australia.

- Deployed and maintained the app on Azure with CosmosDB (Mongo API) and Azure Blob Storage, handling over 10TB of images and attachments annually.

Hybrid Mobile Application for Facilities Management

- Architected and developed a multi-tenant hybrid mobile application for iOS, Android, and Web platforms, using React, React Native, TypeScript, and C#. This application was designed for a facilities management and maintenance provider to streamline their workflow-enabled work orders and purchase orders.

- The application efficiently processed approximately 600-1000 orders per month, significantly improving the management of complex operational workflows.

- Implemented in-browser messaging protocols to enable the Progressive Web App (PWA) to detect its operation within a native mobile app. This feature allowed for seamless integration of push notifications and utilization of native app functionalities through the web app interface.

- Ensured a flexible user experience by enabling the web app to revert to native web functions when operated in a standard desktop browser.

Software Engineer | Corbel Technologies | 08.2016 to 10.2019 - Full Time

Engaged in collaborative software development for multiple Australian law firms, focusing on enhancing matter management systems. Specialized in building custom APIs on Azure, key in integrating on-premises services with cloud platforms, and facilitating the technological advancement of legal services.

Internal Case Management Portal for Legal Firms

- Co-Developed a user-friendly internal case management portal, which integrated with existing case management software. It was tailored for legal firms to monitor staff workloads and progress.

- Utilized React with Redux for the initial build, later upgrading the application to TypeScript in 2019 for improved team collaboration.

- The portal mirrored similar functionalities to Jira but was specifically adapted for the unique operational needs of law firms, significantly improving internal case management processes.

- Implemented a feature for managing attachments, utilizing Azure Blob Storage, and incorporated MongoDB for additional data and comments related to internal records.