OSCAR NGUYEN

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About me

I am a proficient Software Engineer with nearly 2 years working experience in Australia, specialising in .NET, NextJS, React, and Power BI. With a strong foundation in full-stack development and data-driven solutions, I aim to leverage my expertise to support Australian businesses to enhance their operational processes with cutting-edge technology. As an ISTJ personality type, I approach challenges with a strategic mindset, focusing on efficiency and long-term success.

Experience

GENIUS IT SOLUTIONS PTY LTD

Full-Stack Software Engineer | Sydney | Dec 2023 - Jan 2025

- Built an internal web-based system using .NET Core, C#, and SQL Server with RESTful APIs.
- Developed key features (document management, landing page, tax settings) and unit tests for a full-stack NextJS and TypeScript CRM web application, ensuring robust functionality and adherence to best practices.
- Captured and prioritised 10+ functional and non-functional requirements, resulting in a 20% improvement in project delivery speed.
- Designed system process flows using UML flowcharts to visualize complex processes, enhancing cross-team alignment and understanding.
- Migrated an architectural drawing management application from .Net 5 to .Net 9 by developing Disciplines and Buildings functionalities using .NET Web API, Entity Framework Core, Angular, and GraphQL, collaborating within a 10-member agile team.
- Proactively identified and resolved 4 critical bugs during the development lifecycle, ensuring application stability and minimising impact on end-users.

NOLOGY AUSTRALIA

Full-Stack Software Engineer | Sydney | May 2023 -Dec 2023

- Completed an intensive 12-week full-stack development program, deploying 6 projects using React with JavaScript and TypeScript, Java and MySQL.
- Collaborated with senior engineers on backend development for a client project - a student metrics application using NestJS and TypeScript.
- Enhanced system functionality by improving the CI/CD pipeline through migration to Playwright for end-to-end testing and implementing 2 new HTTP requests for enriched data viewing requests using MySQL virtual entities.

Education

MACQUARIE UNIVERSITY

Master of Data Science

Achieved an 82 WAM, earning a Letter of Commendation for High Distinction in Machine Learning, Mining Unstructured Data, Applications of Data Science, and Enterprise Application Integration, and secured First Place in the AI-Enabled Banking Hackathon 2020, organising by Big Data Society, Department of Computing.

RMIT UNIVERSITY

Bachelor of Business Information System

High Distinction graduate in Mobility Solutions & Information Systems Development; as Vice President of RMIT Business Information System Club, led sponsorship for a competition attracting 50 participants from 5 major universities in Vietnam.

Projects

RICHARD LE WEBSITE

- Collaborated with developers and designers to build key client website pages with Next.JS, implementing features such as animations, slideshows, SEO optimisation, and multilingual support using TypeScript and React (https://www.richardle.com.au).

ONLINE QUIZ APPLICATION

- Developed a full-featured online quiz application enabling users to create, manage, and participate in quizzes, track results, and manage questions via an intuitive interface, using .NET Core (C#), Entity Framework, and Razor Pages (https://github.com/uwerrrr/quizzApp).

EMPLOYEE CREATOR WEB APP

- Developed a full-stack employee information management web application via RESTful API, incorporating front-end and back-end data validation, using TypeScript, React, Java, Spring Boot, React Hook Form, and Render platform (https://github.com/uwerrrr/employee-creator).

Skills

SKILLS: Full-Stack Website Development, Data Analytics, Machine Learning, CI/CD, Agile Framework, Database Design and Documentation, Problem-Solving, Teamwork, and Communication.

TECHNICAL LANGUAGES: .Net, C#, Next.JS, React & Node.js, TypeScript, Java & Spring Boot, NestJS, Python, TailWind, ASP.NET, HTML, SCSS, TDD, Microsoft Power BI, SQL, MySQL, Jira and Confluence, GitHub and Google Cloud services (Firebase, Firestore).

LANGUAGES: English, Vietnamese

CERTIFICATION: Microsoft Azure Data Fundamentals, Microsoft Azure Fundamentals: Cloud Computing, Amazon SageMaker

References

Full working rights in Australia.

References are available on request.