

# Oscar Nguyen

Sydney, NSW, Australia

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A data-driven professional with 2 years of experience in .NET, React, ERP consulting, and machine learning, specializing in full-stack development and data-centric solutions. I am enthusiastic about leveraging these skills to address business challenges and enhance operational processes with cutting-edge technology. My aspiration is to join a forward-thinking organisation where I can continue to expand my skills and make a meaningful contribution.

## PROFESSIONAL EXPERIENCE

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### Genius IT Solutions, Sydney, NSW

Dec 2023 – Jan 2025

#### Full-Stack Software Engineer

- Built an internal web-based system using .NET Core, C#, and SQL Server with RESTful APIs.
- Developed a customer relationship management (CRM) Web Application project with NextJS, React, and TypeScript, implementing 3 key features: document management, landing page, and tax settings, along with unit testing.
- Successfully captured and prioritized 10+ functional and non-functional requirements, leading to a 20% increase in project delivery speed.
- Designed system process flow with UML flowcharts to visualize complex processes, enabling cross-team alignment.

### Nology, Sydney, NSW

May 2023 – Dec 2023

#### Full-Stack Software Engineer

- Completed an intensive 12-week training program on full-stack website development.
- Deployed 6 projects using React with Javascript and Typescript, Java, Spring Boot and MySQL.
- Coordinated with 2 senior software engineers on backend development for a client project, which involved a student metrics application using NestJS and Typescript.
- Enhanced CI/CD pipeline by migrating to Playwright end-to-end testing framework.
- Implemented 2 new HTTP requests using MySQL virtual entities to optimize data retrieval.

### Truth, Sydney, NSW

Feb 2021 – Jun 2021

#### Data Scientist

- Migrated from Firebase Kit to Mediapipe library to extend Truth facekey biometrics from 128 to 468 3D face coordinates, enhancing the scope of potential facial verification tests.
- Compiled 4 comprehensive documents outlining current implementations and potential future developments on internal Confluence platform.
- Contributed to a team of 5 in a Scrum Agile environment to create a new app UX demo.
- Worked closely with a senior data scientist to increase the accuracy of Truth MVP1 liveness fusion model from 65% to 75%, improving overall system reliability.

### TRG International, Ho Chi Minh City, Vietnam

Jan 2016 – Jan 2017

#### ERP Application Consultant

- Worked in a team of 5 to deploy an ERP project for a 2000-store shoe manufacturing corporation in Vietnam, including the installation of ERP and database environments on the client's server.
- Engaged directly with client's CFO to collect and analyse requirements, proposed ERP processes for the Finance module, and developed functional processes in accordance with Vietnamese Accounting Standards.
- Conducted 2 product pitching using Microsoft PowerBI and user acceptance testing (UAT) phase, which included 7 end-user training sessions and a detailed 15-page user guideline.
- Developed client-tailored solutions, improving operational efficiency by 25% using Excel Macro to overcome system limitations.

## RELEVANT PROJECTS

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### Online Quiz Application

Sep 2024

- Developed an online quiz application that allows users to create, manage, and participate in quizzes.
- Features include tracking quiz results and managing questions with an intuitive interface.
- Tech stack used: .NET Core (C#), Entity Framework, and Razor Pages.
- Please refer to the code and preview of my application here: <https://github.com/uwerrrr/quizzApp>.

### Richard Le website

Dec 2024

- Built main pages of a client website using Next.js, collaborating with developers and designers.
- Implemented landing page, animations, slideshow, SEO optimization, and multilingual support.
- Tech stack used: TypeScript, React, NextJS.
- Please refer to the code and preview of my website here: <https://www.richardle.com.au>.

### Employee Creator Web App

Dec 2023

- Developed a full-stack web application enabling users to manage employee information via RESTful API.
- Integrated data entry validation for both front-end form and back-end server.
- Tech stack used: TypeScript, React, Java, Spring Boot, React Hook Form, and Render platform.
- Please refer to the code and preview of my application here: <https://github.com/uwerrrr/employee-creator>.

## EDUCATION

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### Master of Data Science

#### Macquarie University, North Ryde, NSW

- Weighted Average Mark: 82 (Distinction).
- Awarded Letter of Commendation for High Distinction in Machine Learning, Mining Unstructured Data, Applications of Data Science and Enterprise Application Integration courses.
- Awarded 1st place in the AI-Enabled Banking Hackathon 2020 organized by the Department of Computing.
- Macquarie University ASEAN Scholarship.

### Bachelor of Business Information System

#### RMIT University, Ho Chi Minh City, Vietnam

- High Distinction grades in Developing Mobility Solutions and Information Systems Development.
- Vice President of RMIT Business Information System Club - led the sponsorship team in an academic competition that attracted 50 participants from 5 major universities.

## PROFESSIONAL SKILLS

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### Technical tools and languages:

- .Net, C#, NextJS, React & Node.js, TypeScript, Java & Spring Boot, NestJS, Python, TailWind, ASP.NET, HTML, SCSS, TDD, Microsoft PowerBI, SQL, MySQL, Jira & Confluence, GitHub and Google Cloud services (Firebase, Firestore).

### Proficiency:

- Full-Stack Website Development, Data Analytics, ML Models, CI/CD, Agile Framework, Database Design, and Documentation.