

# Nui Rattapon

Senior Full-Stack Web Developer

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## PROFILE

Senior full-stack developer with 8+ years of commercial experience building high-quality web applications across Angular, React, Three.js and Node.js ecosystems. At Truescape I architect and deliver complex 3D visualisation and panoramic-view applications, lead client-facing projects, and drive engineering process improvements — from CI/CD pipeline hardening to developer-experience tooling. Most recently appointed to lead the company's AI adoption pilot: evaluating tooling, shaping usage guidelines, and continuously improving how the team works with AI. Certified in MCP Agentic AI and GitHub Copilot.

## EXPERIENCE

### Full Stack Web Application Developer

Truescape · Full-time · Christchurch, New Zealand

Sep 2022 – Present (3 yrs 7 mos)

- Architect and develop interactive **3D visualisation applications** using Three.js and Angular, embedded in client-facing urban-planning and infrastructure products used by councils and government agencies.
- Conceived and led a full architectural migration from Three.js to Unity on the BOEM (US federal agency) project — designed an Interface Control Document (ICD) abstraction layer to decouple the UI from the 3D engine, enabling parallel cross-team development and a seamless production engine swap with no UI disruption. Also architected the NgRx state management system including versioning strategy and graceful backward compatibility.
- Led architecture and development of a 360° panoramic view calibration system — an internal research project that matured into a core product feature.
- Built and maintained internal admin and tooling systems that streamline content management and project delivery workflows.
- Appointed as lead developer on complex client projects, coordinating requirements and technical decisions with internal stakeholders and occasionally representing the team in client meetings.
- **Led the company's AI adoption pilot** — evaluated and recommended AI tooling for the engineering team, defined usage guidelines, and continue to drive ongoing AI integration and productivity improvements across the team.
- Appointed to establish and lead the company's AI engineering community of practice — defining how teams adopt AI tooling, manage shared AI assets (instructions, rules, skills) within a monorepo, and share knowledge on AI usage across the organisation.
- Drove significant **engineering process improvements**: introduced ESLint code-linting, GitLab CI PR checks, automated code-review assignment, git pre-commit hooks, and branch protection rules — reducing review cycle time and defect rate.
- Created a developer estimation script and established a code-review guideline adopted by the whole team.
- Designed a reusable **360° panoramic visualisation application template** now used as the foundation for multiple client projects.

Stack: Angular, Three.js, TypeScript, Node.js, NgRx, Marzipano, Leaflet, D3.js, AWS, GitLab CI, GitHub Copilot

### Web Developer

Maker Design · Full-time · Christchurch, New Zealand

Oct 2017 – Sep 2022 (5 yrs)

- Designed and developed websites and web applications for a diverse client portfolio including New Zealand Couriers, Posthaste, Castle Parcel and Now Couriers.
- Delivered full project lifecycle: interaction design, process flows, wireframes, prototypes and production builds, effectively conceptualising and communicating detailed interaction behaviours.
- Maintained and supported client applications, managing bug triage and client communication remotely and on-site.
- Introduced React Native / Xamarin mobile development capability to the team.

Stack: Angular, React / React Native, Next.js, WordPress, Silverstripe, Xamarin, Node.js, AWS, Azure DevOps, Bitbucket, Jira

## Intern Full Stack Web Developer

MVP Studio – Uptown Innovation · Auckland, New Zealand

Feb 2017 – Oct 2017 (9 mos)

- Built back-end Windows Service for geolocation functionality on the *Alex Swift Emergency Contact* product (C# ASP.NET MVC, AngularJS, MsSQL).
- Redesigned account/profile pages and refactored site CSS architecture.
- Presented at Demo Day · **Award: Best Performance of May 2017**

*Stack: C# ASP.NET MVC, AngularJS, MsSQL, UI-Bootstrap*

## Software Engineer Intern

Thomson Reuters · Bangkok, Thailand

Oct 2012 – Feb 2013 (5 mos)

- Researched and developed an end-to-end automated testing framework using Selenium and NUnit for the EIKON product CI pipeline.
- Built a test-report generator tool used by the QA team.

*Stack: C#.NET, Selenium, NUnit, XML*

## SKILLS

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<b>Frontend</b>	Angular · TypeScript · JavaScript · React · Next.js · Three.js · Marzipano · Leaflet · D3.js · HTML5 / CSS3 / SCSS
<b>Desktop &amp; Mobile</b>	Electron · React Native
<b>Backend</b>	Node.js · REST APIs · Firebase · MySQL
<b>Tools &amp; Workflow</b>	GitLab CI · AWS · Git · Jira · Playwright · ESLint · Agile / Scrum
<b>AI &amp; Emerging</b>	MCP (Agentic AI) · GitHub Copilot · AI Spec-driven development

## CERTIFICATIONS

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Mar 2026	<b>Model Context Protocol (MCP): Hands-On with Agentic AI</b> · LinkedIn Learning
Feb 2026	<b>Unboxing AI: Visual Studio Code and GitHub Copilot Deep Dive</b> · LinkedIn Learning
Jun 2025	<b>ICAgile Certified Professional – Agile Software Design</b> · ICAgile
Aug 2017	<b>MTA: HTML5 Application Development Fundamentals</b> · Microsoft · Credential: G308-0138
Apr 2017	<b>AngularJS – Services badge level 5</b> · Code School
Apr 2017	<b>AngularJS – Custom Directives badge level 4</b> · Code School

## EDUCATION

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### B.Sc. in Computer Science

Khon Kaen University, Thailand · 2009–2013

Qualification recognised by New Zealand Qualifications Authority (NZQA)

*References available upon request.*