

# Zachary Hankin

+64 20 4020 4236 (NZ)

+44 7862 021837 (UK)

Stirling, Scotland

Website: <https://www.koanarec.com>

GitHub: <https://github.com/koanarec>

Email: [zacharyjameshankin@gmail.com](mailto:zacharyjameshankin@gmail.com)

LinkedIn: <https://www.linkedin.com/in/zachary-hankin-6bb4111a6/>

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## PERSONAL STATEMENT

I am an intermediate software developer with professional experience in TypeScript/Node.js and C#. I have worked in agile environments to deliver scalable, maintainable solutions using serverless architectures and CI/CD pipelines. My code has been used to pay tens of thousands of people in New Zealand and in one of NZs largest energy companies. Further details about my work can be found on my personal website (linked above and written in React).

Recently relocated from New Zealand to the UK as a citizen, I am seeking new and challenging opportunities and am open to relocation across the UK.

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## SKILLS SUMMARY

- **Languages:** JavaScript, Python, SQL, C#
- **Frameworks & Tools:** Node.js, Express, Next.js, JSON, API, Git, Azure, Docker, Serverless, Microservices, Jenkins, CI/CD, React
- **Methodologies:** Scrum, SOLID, DRY, REST, TDD

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## WORK EXPERIENCE

### Advanced Management Systems (Healthcare payroll software)

Auckland, NZ

Developer

April 2024 - Oct 2025

I worked with a team of backend developers using a bespoke C-like database language to build payroll software tailored for New Zealand's doctors and nurses. Efficiency and scalability were key drivers, as the software had to calculate ten thousand people's pay within a few hours. I worked closely with customer support personnel, fixing bugs they found and maintaining the software in a changing environment. One of my key responsibilities was designing and developing a C# regression testing framework that integrated with both the front end and back end, ensuring the platform's reliability and stability. I wrote custom JavaScript scripts that automated our deployment processes.

### Genesis Energy (Large energy company in NZ)

Auckland, NZ

Backend Developer

Feb 2023 - April 2024

I worked in an agile team on the JavaScript/Node.js backend of an app used to track energy usage. I processed third-party data alongside our own SQL and NoSQL databases to deliver scalable APIs for over half a million customers. I built an API to generate energy usage graphs and simplified the app's start-up flow. During my tenure, the app's rating rose from 2.2 to 4.6 stars, becoming the top-rated energy app in New Zealand.

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## KEY PROFESSIONAL ACHIEVEMENTS

- **Azure DevOps for Work Item Tracking:** Led the migration away from a legacy work item tracking system to Azure DevOps. This was a cultural process that demonstrably improved efficiency and collaboration across the company.
- **Tech Debt :** Took the initiative to reduce technical debt by updating and replacing six-year-old NPM packages. Removed a redundant base microservice. Decreased average response times from 300ms to 240ms on a six year old codebase.
- **Next Best Action:** Technical lead for the implementation of a new feature on the Genesis app. This feature prompts users to take the best possible action for their situation, such as requesting a refund or a credit extension. The project was written in JavaScript used MongoDB for persistent data configuration per user. I collaborated with separate iOS, Android, and Web teams.

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## SELECTED PERSONAL PROJECTS

- **Image Collage Generator:** Developed a program in C and Python that generated collages resembling a target image using a library of smaller images. This project achieves superior resolution and selection heuristics compared to competitor applications.
- **University of Auckland Courses Web Scraper:** Created a Python application that compiled and added all courses offered by The University of Auckland to an SQL database.

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## EDUCATION

The University of Auckland (**GPA: 8.25/9**)

2019-2022

Courses: Database Systems, Critical Thinking, Object Oriented Software Development, Algorithms

- Logic and Computation (**Best GPA in BSc of Logic Computation 2022**)
- Computer Science

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## HONOURS AND AWARDS

- Best Bachelor of Science degree in Logic and Computation. (2022)
- Certificate of Outstanding Achievement in Object Oriented Software Development
- GitHub Arctic Code Vault Contributor

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## PERSONAL

Can touch-type (70 wpm); built and designed a wooden shed using SketchUp; keen chess player (1400 on Lichess); rebuilt a 1988 GN250 motorcycle engine; passionate bird photographer—see my [Website!](#)