



# Varshil Udani

Engineering Manager & Technical Lead

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Auckland, New Zealand



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I am an experienced Lead Engineer specialised in delivering high-quality, scalable web and mobile architectures. I bridge technical execution and business strategy to guide cross-functional teams toward delivery excellence. My background combines technical depth, AI-enabled solution development, and continuous improvement, with an equal commitment to the human side of engineering, where strong support, a collaborative culture, and quality engineering thrive together.

## WORK EXPERIENCE

 **Engineering Manager**  
RUSH DIGITAL

June 2024 - Present  
New Zealand

### Responsibilities

- Led cross-functional delivery teams for enterprise clients (e.g., Foodstuffs, Kiwirail, BNZ), overseeing project resourcing, delivery timelines, and ensuring on-time project execution.
- Defined engineering strategy and integrated AI-driven tools to increase productivity and code quality.
- Manage team performance through structured 1:1s, goal setting, and continuous feedback, fostering professional growth and accountability.
- Drive adoption of modern practices, including CI/CD, automated testing, and robust architectures.

 **Technical Lead**  
RUSH DIGITAL

August 2022 - June 2024  
New Zealand

### Responsibilities

- Led the front-end architecture and technical execution across web and mobile app projects for clients including AA Insurance, Watercare, UNICEF, Ignite, and Te Whatu Ora (Ministry of Health).
- Provided technical leadership from discovery through delivery, shaping scope, approach, and execution.
- Ensured adherence to best practices, code quality, and efficient development processes.
- Implemented reliable CI/CD pipelines to streamline deployment processes.

 **Senior Software Engineer / II**  
RUSH DIGITAL

June 2021 - August 2022  
New Zealand

### Responsibilities

- Key member of the mobile development team for the award-winning NZ COVID Tracer app (React Native), and delivered solutions for Te Whatu Ora's Health Hub (React, Node.js) and The Lowdown (Next.js, Sanity).
- Collaborating with UX/UI designers to develop and implement visually appealing interfaces.
- Staying up-to-date with the latest front-end development trends, tools, and technologies to ensure that the organisation remains competitive.



## Software Engineer

LEAPTHOUGHT

December 2014 - June 2021

New Zealand

### Responsibilities

- Designed and developed LT's flagship mobile application (Fulcrum HQ), in React Native.
- Developed LeapThought's valued product (Excelens) with the use of React, ASP.NET and SharePoint.
- Developed web applications for clients such as AT, Contact Energy, Air New Zealand, and others.



## Summer Internship

THE UNIVERSITY OF AUCKLAND

November 2012 - February 2013

New Zealand

### Responsibilities

- Designed and developed software to control robotic arm servos using BeagleBone Black (ARM) platform.



## Trainee Development Engineer

ETEL

November 2012 - February 2013

New Zealand

### Responsibilities

- Designing AutoCAD engineering drawings based on requirements and configuring the Epicor ERP system.



## Higher Level Mathematics Tutor

KUMON STUDY CENTRE

February 2007 - October 2011

New Zealand

### Responsibilities

- Teaching mathematics to higher level students.

## EDUCATION

### Leadership Principles Certification

HARVARD BUSINESS SCHOOL

2024

USA, Online

### Bachelor of Engineering (Honours) in Computer Systems Engineering

THE UNIVERSITY OF AUCKLAND

2011 - 2014

New Zealand

Graduated with First Class Honours (First Division).

### Key Subjects

- |                           |                                    |
|---------------------------|------------------------------------|
| • Software Design         | • Control Systems                  |
| • Embedded Systems Design | • Robotics and Intelligent Systems |

### Secondary School

LYNFIELD COLLEGE

2006 - 2010

New Zealand

## KEY TECHNOLOGIES

### Core Development & Architecture

Expert in the full JS stack (React, React Native, Next.js, Node.js), CMS platforms, and modern testing tool like Playwright and Vitest. Also experienced in managing scalable delivery via automated DevOps pipelines (Azure/Vercel/AWS).

### AI-Native Engineering

Built agentic AI workflows using Cursor and Copilot, with Ollama for local inference. Evaluated and integrated Claude, OpenAI, Gemini models, and added voice features using ElevenLabs.

## REFERENCES

Available upon request.