

Ashwin Thakur

Curriculum Vitae

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Personal Details

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New Zealand Citizen

Educational History

B.C.M.S (Bachelor of Computing and Mathematical Sciences) - Waikato University
Major in Software Engineering - 4 Year Degree (Graduated 2002)

Career Summary

Year	Company	Position Held
Oct 2022 - Sep 2025	Cucumber Ltd	Senior Software Developer
Jan 2020 – Aug 2022	Shift72 Ltd	Senior Software Developer
Jan 2019 – Nov 2019	Livestock Improvement Automation	Software Developer
Jan 2013 – Dec 2018	Livestock Improvement	Rapid Prototyping Developer
Apr 2012 – Nov 2012	1-day/Torpedo 7	Web Developer
Jan 2004 - Nov 2012	Hill Laboratories	IT Programmer
Jan 2002 - Dec 2002	Hoare Research Software	Technical support person

Skills

- Latest frontend frameworks including React, Angular, VueJS for web & mobile development
- Practical knowledge in LLM engineering, including prompt design, RAG architectures, vector databases and deploying AI-driven applications
- IOS and Android Hybrid Mobile App Development including React Native & Ionic Framework
- Sound knowledge of .NET/Ruby/Node for Restful API and backend services
- Knowledge of AWS Services/Concourse for deployments, Docker/Vagrant for container management
- SQL experience with the following services Postgres, MongoDB, Redis
- Experience with Amazon Web Services (AWS) and Azure Devops
- Github (Gitlab), SVN (repositories)

Experience using programming languages, Javascript, Ruby, .NET, C++, Delphi, Java and Python

Work Experience

Senior Software Developer for Cucumber Ltd (Oct 2022 – Sep 2025)

Lead developer for Prospr's autonomous vehicle mapping system, creating interfaces with custom mapping tools that simplified complex agricultural processes.

Backend development for Plant & Food Research using Spring boot and Jetpack compose for mobile development in an agile environment.

Senior Software Developer for Shift72 Ltd (Jan 2020 – Aug 2022)

Ruby, React, Go and AngularJs development, providing feature upgrades to their existing platform, including implementing a subscription based model (SVOD) with the integration of Stripe. Also providing help and guidance to peers over certain tasks/projects, along with code reviews.

Software Developer for Livestock Improvement Automation (Jan 2019 – Nov 2019)

.NET and Angular development with Azure DevOps, upgrading their core farm automation system (Protrack™). Agile processes such as team iteration planning and retrospective and a 3 monthly PI Planning session were done consistently while implementing new features. Requirements were discussed closely with Product Owners/Product Design Analysts/Testers and other developers in delivering these core features.

Rapid Prototyping Developer for Livestock Improvement (LIC) (Jan 2013 – Dec 2019)

Responsible for building web applications with the use of UX best practice to deliver consumer-centric solutions. Worked with our core users (farmers) to paper-prototype, digital-prototype and then build solutions.

Core projects

- Pasture satellite integration with external parties (thru APIs) in delivering an auditing tool for our internal staff to help validate pasture reports for our external customers.
- Grazing planning mobile (Progressive web application) to help farmers manage their paddocks on their device with the help of LIC's core feed management system (MINDA Land & Feed).
- Web application for vets, being able view animal reproduction data across the vet's client farms, also having the ability to generate reports for their clients. This consisted of using the largest animal dataset in the country which provided animal health, reproduction information. Dataset was extracted daily and served onto the production server using enterprise service bus technology (Ruby).

Web Developer for 1-day/Torpedo 7/Urbandaddy (Apr – Nov 2012)

(www.1-day.co.nz, www.torpedo7.co.nz, www.torpedo7.com.au)

.NET (MVC3) development which involved continuous improvement to website, other work included building a web application which used the Trademe & Quicksales (Australian auction site) API using .NET

Experience with Java/JSP Servlets, project work for 1-day mobile development, included constructing/developing a web application for the mobile platform.

Worked in an agile environment using SCRUM, fortnightly sprints and daily morning catch-ups.

IT Programmer for Hills Laboratories (2004 - 2012)

Eight years' experience with the use of Delphi 5, 7 and 2006, 2010. This involved working on one of the most important and largest projects for the company, upgrading their laboratory system (LabSys2™ to LabSys3). The system was designed and built using object-oriented techniques with the use of several ActiveX controls and accesses an in-house database (Firebird).

Achievements

- Chief Executive Award received for leading the implementation of the SPACE programme.
- Attended New Zealand Hi-Tech Awards in 2019 for the finalist in the category for Hi-Tech Solution for the Agritech Sector.

Hobbies

Built and maintain **recallo.dev** – an AI-powered memory recall web application using RAG (<https://recallo.dev>)

Other interests include rugby, league, cricket, poker and cryptic crosswords.

N.B. Further physical documentation is provided if needed, including university qualification, certificates, and achievements.

Referee(s) provided upon request.