

# RESUME

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## DAN MAHAVITHANA

### SENIOR FULL STACK DEVELOPER

“New Zealand citizen with full work rights in Australia, ready to relocate within a couple of weeks.”

An accomplished, self-motivated, creative, and hardworking individual with over 7 years of work experience as a Full Stack Software Engineer.

- Specialized in Object-Oriented Design and Analysis with extensive experience in full life cycle of the software design process including requirements definition, prototyping, proof of concept, interface implementation, testing and maintenance.
- Productive in both team-based and self-managed projects with excellent communication skills and having a commercial approach in problem-solving.
- Pursued higher studies in Computer Science at EIT in Napier, New Zealand and University of Peradeniya in Sri Lanka with a long-term career goal of becoming a Software Architect.

## < EMPLOYMENT HISTORY />

### August 2022 – Present (MONToux, WELLINGTON, NZ) SENIOR SOFTWARE ENGINEER

(React, TypeScript, NodeJS, Python, Generative AI, AWS, Weaviate, LangChain, Terraform, Terragrunt, Microservices, Django, GraphQL, REST API, GIT, CI/CD, JEST, PYTEST, Bash,...)

Montoux, a New Zealand-based SaaS startup, focuses on transforming actuarial modelling for life insurance companies, with a strong presence in the U.S. market. Its innovative platform empowers users to build, configure, and run large-scale actuarial models with ease. The technology stack includes a robust Python, Golang and NodeJS backend hosted on AWS, paired with a modern React and TypeScript frontend. Montoux's agile, collaborative teams emphasize iterative design and development cycles, ensuring the platform continuously evolves with valuable insights from both subject matter experts and end-users.

#### At Montoux:

- Led the full stack development of a Gen AI product to solve actuarial science problems.
- Developed numerous API architectures and implementations which were catered for different use cases and requirements.
- Implemented a full authorization layer for primary GraphQL based API, utilizing AppSync, Cognito, Lambda, DynamoDB, Terraform and Terragrunt.
- Developed many solutions to support big data handling and visual representation of these data.
- Worked with product managers, tech leads and designers on setting the product directions, technical decision making and implementations
- Helped the team by running daily standups, retros and product showcases.
- Worked with Product owners and technical teams with backlog grooming and ticket creation.
- Was one of the only 2 lead engineers worked on the Support roster which always kept the product functioning 100% for customers and other Montoux staff.
- Mentored and managed Junior staff and help them to achieve their career goals.

## < GET IN TOUCH />

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🐙 <https://github.com/mahathun>

## < SKILLS />

- TypeScript
- JavaScript
- jQuery
- PHP
- MySQL
- HTML
- CSS
- GULP/GRUNT
- SASS
- WORDPRESS
- D3 TOOLKIT
- GraphQL
- AWS
- HEROKU
- NodeJS
- PYTHON
- MongoDB
- AGILE
- JSX
- BOOTSTRAP
- ReactJS
- ReactNative
- Terragrunt
- Terraform
- Python
- GIT
- SaaS
- ES6
- ERP
- Android
- Crossfilter
- AJAX
- CONFLUENCE
- TRELLO
- WPEngine
- ASP.NET
- MVC
- AngularJS
- TDD/BDD
- Windows/UNIX

**November 2019 – August 2022****FINGERMARK LTD, HAVELOCK NORTH, NZ****SENIOR SOFTWARE ENGINEER**

(NodeJS, JavaScript, Python, Microsystems, React, GraphQL, REST API, AWS, PostgreSQL, Bitbucket, GIT, Terraform, Terragrunt, Atlassian Confluence, CI/CD, JEST, Bash, RabbitMQ ...)

*Fingermark is a New Zealand-based technology company specializing in AI and computer vision solutions for the Quick Service Restaurant (QSR) industry and mining industry. Fingermark's products include self-ordering kiosks, Drive-thru systems, digital menu boards, and analytics platforms that enhance operational efficiency and customer experience.*

**At Fingermark:**

- Worked directly with customers on implementing complex solutions which integrates with their legacy systems
- Worked with tech leads and Product managers on technical decision making and implementation
- Built a fresh common Authentication/Authorization system based on Auth0, GraphQL, lambda etc. for multiple client side applications and server side applications which communicate with each other including migrating users from legacy cognito based auth system
- Built multiple different CLI tools to help internal staff to interact with our software
- API architecture and implementation
- UI/UX design and development
- Designed and developed Microsystems to help with real time data collection/fetching and visualization.
- Built an advanced React based dashboard including all backend system to display Historical Data and to help stakeholders taking strategic/analytical decision making.
- Architecting and implementing Software pieces to help with the Computer vision applications.
- Was on support roaster making all our applications/infrastructure work as expected during out of business hour.
- Hired/Mentored Junior staff and helped them to grow into their carrier.

**March 2017 – November 2019****NZ DIGITAL, NAPIER, NZ****INTERMEDIATE SOFTWARE DEVELOPER**

(NodeJS, JavaScript, React, AngularJS, MongoDB, GraphQL, AWS, Heroku, Bitbucket, PHP, MySQL, GIT, WordPress, Shopify, jQuery, HTML, CSS, WPEngine, Atlassian Confluence, Trello Boards)

**Role Details:**

- Developing websites and Web Applications within tight deadlines in various languages and platforms.
- Requirements Gathering and Project Scoping
- WordPress customizations, Theme and Plugin Development.
- Testing and Debugging.
- Support and Maintenance.
- SEO friendly responsive development.
- Providing support and guidance for junior members

**< ACHIEVEMENTS />**

- Awarded as the Most Valuable Person(MVP) to the company for my hard work and dedication at NZDigital. – (2018)
- Recognised and appreciated as one of the best employees during my probation period (for the first time in company history) at Bileeta Pvt Ltd – (2015)
- Given a special recognition by the Vice Chancellor of University of Peradeniya for my hard work during my work there as an assistant web developer –(2013-2014)
- Honoured to receive the 1st place at the Computer quiz competition organized by the Kingswood computer club – (2004)
- Awarded 6th place in Provincial Education Software Competition for Schools conducted jointly by SEMP & Microsoft Sri Lanka(Pvt)Limited

**< OTHER CERTIFICATES />**

- Certificate of participation to THE PIONEER Career Guidance Workshop organized by the Computer Society, University of Peradeniya.
- Certificate for the contribution done as a volunteer Census Officer at the enumeration stage of the 14th Census of Population and Housing of Sri Lanka conducted by the Department of Census and Statistics.
- Successfully completed the Future kids Schools Technology Curriculum with a Distinction conducted by the Informatics Information Systems(Pvt)Limited

**November 2016 – March 2017**

**CASTLENET NZ, WELINGTON, NZ**

**PHP AND WORDPRESS DEVELOPER**

(PHP, MySQL, GIT, WordPress, Moodle, WordPress/Moodle Plugin Development, JavaScript, AJAX, jQuery, HTML, CSS, WPEngine, Atlassian Confluence, Trello Boards)

*Role Details:*

- Developing functions for WordPress website. (eSocSci- a project by Massey University, New Zealand & Tack Up - an e-commerce solution for a saddlery & feed shop in Levin)
- Building and Customizing WordPress Plugins.
- Testing and Debugging.
- Support and Maintenance.
- Knowledge sharing.

**January 2015 – July 2015**

**BILEETA (PVT) LTD, SRI LANKA**

**SOFTWARE ENGINEER**

(MVC, ASP.NET, JavaScript, AJAX, jQuery, C#, HTML, CSS)

*Role Details:*

- Developed functions for cloud-based ERP system (ENTUTION).
- Planned and implemented new features to the system.
- Bug fixing.
- Unit Testing.

**September 2013 – December 2014**

**UNIVERSITY OF PERADENIYA, SRI LANKA**

**ASSISTANT WEB DEVELOPER**

(PHP, JavaScript, jQuery, AJAX, HTML, CDD, MySQL, Bootstrap, D3, Crossfilter, Wordpress)

*Role Details:*

- One of the leading members of the Dev. Team involved
- developing the University main web site ([www.pdn.ac.lk](http://www.pdn.ac.lk)).
- Developed many other University related web projects.
- Developed and maintained the iPURSE 2014(Peradeniya University Research Session) web site ([iPURSE](http://iPURSE)) and it's IT systems.
- Researched, analyzed and delivered information from various interaction groups to help the university to develop new strategies relating to its digital presence.

2015 – 2016 (EIT, Napier, New Zealand)  
**POSTGRADUATE DIPLOMA IN  
INFORMATION TECHNOLOGY**

2009 – 2013 (University of Peradeniya, Sri Lanka)

**B.SC. HONS. IN SCIENCE (2<sup>ND</sup> CLASS  
HONORS LOWER)**

2011 (University of Peradeniya, Sri Lanka)

**COMPLETED THE CERTIFICATE TEST IN  
ENGLISH**

2008 – 2009 (InforTec International Institute  
of Technology, Sri Lanka)

**HIGHER DIPLOMA IN COMPUTER  
SCIENCE – PROGRAMMING**

2002 (Informatics Information Systems (Pvt)  
Limited, Sri Lanka)

**COMPLETED THE FUTURE KIDS  
SCHOOLS TECHNOLOGY CURRICULUM  
WITH A DISTINCTION**

**DAN MAHAVITHANA**

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DEVELOPER**