

MILINDI KODIKARA

Software Engineer : : XP 5+ years

☎ 0452 503 667

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🌐 [LinkedIn](#)

📁 [Portfolio](#)

🐙 [Github](#)

EDUCATION

Honours

Bachelor of Science
(Computer Science)

RMIT University

2024

Bachelor of Software
Engineering

RMIT University

2018 - 2021

SKILLS

- Python
- AWS
- React
- Typescript
- Computational Biology
- GenAI
- NLP
- HTML & CSS
- React Testing Library
- Storybook
- Figma
- UX/UI Design
- Agile Development
- Git
- Test Driven Development
- CI/CD
- Object-oriented Programming

PROFILE

Ayubowan! A little about me, I am someone who loves helping people in any way I can, creating things from start to end and really taking ownership of what I am doing. I love being a part of a team and working towards achieving something together. On the side, I teach and mentor uni students as it fills my soul. On my down time, I obsessively play Hollow Knight: Silksong (I am terrible at it)!

WORK EXPERIENCE

CultureAmp

March 2025 - Current

AUTOMATION SOFTWARE ENGINEER

- Design and implement internal automated systems to optimise business operations, enhancing efficiency and scalability in a hyper-growth unicorn startup environment. For example, creating an automation between Stripe + Netsuite + Salesforce + DocuSign for our billing pipeline saving a lot of time for sales and finance teams!
- Collaborate with cross-functional teams to analyze and understand complex systems, translating business requirements into technical solutions.
- Drive AI adoption across internal teams by building custom AI agents and embedding AI-assisted workflows into day-to-day operations.
- Leveraged knowledge in Python, Pydantic, AWS, AWS Lambda Powertools, GraphQL, Claude Code, Postman, OAuth, Okta, PagerDuty, D2Lang, Git, REST APIs.

Digital Agriculture Services

July 2022 - Jan 2024

SOFTWARE ENGINEER

- Engineered high-performance web applications to enhance sales and user engagement across Australia and New Zealand, with a focus on rural analytics and portfolio management.
- Led frontend development for DAS's flagship product, Embed, delivering user-centric features and collaborating with stakeholders.
- Drove global expansion initiatives, including market research for entry into Canada and founding a GIS-focused tech community.
- Championed innovation and agile practices by organising a company-wide hackathon, leading Scrum ceremonies, and design and demo sessions.
- Leveraged knowledge in React, TypeScript, Vue.js, JavaScript, HTML & CSS, Figma, Golang, Playwright, Mapbox, Google Maps, React Testing Library, Jest, Storybook, GraphQL, PostgreSQL, AWS, Jira, UX/UI Design, Github.

PUBLICATIONS

Milindi Kodikara and Karin M. Verspoor. 2024. [Effectiveness of Cross-Linguistic Extraction of Genetic Information using Generative Large Language Models](#). In Proceedings of the Iberian Languages Evaluation Forum (IberLEF 2024).

Milindi Kodikara and Karin M. Verspoor. 2024. [Lesser the Shots, Higher the Hallucinations: Exploration of Genetic Information Extraction using Generative Large Language Models](#). In Proceedings of the Australian Language Technology Association (ALTA 2024).

Arash Bayat, Brendan Hosking, Yatish Jain, Cameron Hosking, Milindi Kodikara, Daniel Reti, Natalie A. Twine, and Denis C. Bauer. 2019. [Fast and Accurate Exhaustive Higher-order Epistasis Search with BitEpi](#). Scientific Reports, 11.

WORK EXPERIENCE cont...

RMIT University

ACADEMIC SUPERVISOR, TUTOR, RESEARCHER

Mar 2019 - July 2019,
Feb 2022 - Current

- Supervise CS, IT and SE students on their final year projects. Courses currently and previously delivered include Discrete Structures in Computing, User-Centred Design, Programming Bootcamp and Studio, and Web Programming Bootcamp and Studio.
- Showcased Haku (Softbank Robotics' Pepper robot), Bandit (TIAGo robot) and Nao bots of the RMIT RoboCup Team at Formula 1 Australian Grand Prix 2025 and 2026.
- Leveraged knowledge in Java, C++, SQL, JavaScript, PHP, Computational Mathematics, UX/UI Design.

PaperCut Software

ASSOCIATE PRODUCT ENGINEER

Mar 2020 - July 2022

- Implemented full stack web applications with Typescript and Go, with a wide range of testing methods, resulting in successful beta and market releases. Create CI/CD pipelines and deployment procedures in Google Cloud, allowing for regional deployments.
- Delivered market research into competitors and solution analysis in the preliminary stages of creating the secure print management product for the healthcare industry.
- Liaised with customers to gain insights into customer requirements thereby leading to the successful release of the products, PaperCut Multiverse and PaperCut Healthcare.
- Presented successful company wide demonstrations of PaperCut products.
- Leveraged knowledge in React, TypeScript, JavaScript, Golang, Google Cloud Platform, Jenkins, Auth0, Jira, Confluence.

CSIRO

RESEARCH SOFTWARE ENGINEER

Jan 2020 - Mar 2020

- Designed and developed the user-friendly web application, EpiExplorer, to dynamically filter and style Cytoscape network properties.
- Developed an API in Python to visualise Higher-Order Epistatic Genomic Interactions in Cytoscape.
- Demonstrated EpiExplorer at the CSIRO Showcase, 2020.
- Leveraged knowledge in Python, Pandas, Cytoscape, py2cytoscape, SNP-Nexus, Tkinter, Bioinformatics, Linux, Jira, Github, Research methods.

NOTABLE AWARDS

Top 100 Future Leader of Australia

The Australian Financial Review, GradConnection & SEEK

2020

Listed on The Australian Financial Review as one of the Top 100 Future Leaders of Australia for outstanding leadership and contribution to community.

RMIT Award for Higher Education

RMIT University

2022

Awarded for outstanding leadership, initiative and excellent academic record.

Deputy Vice-Chancellor's Athena SWAN Initiative Prize

RMIT University

2022

Awarded for outstanding leadership, initiative and excellent academic record.

COMMUNITY

My Melbourne Student Ambassador

City of Melbourne

March 2025 - July 2025

Designing, supporting, and promoting City of Melbourne initiatives to international student communities studying, living, and working in Melbourne.

Google Developer Student Club - Lead

Google, RMIT University

2021

Organised and facilitated events, workshops and large scale competitions such as HackVision 2021 (a global hackathon).

Program Management Committee Member

Vic ICT for Women

Oct 2020 - Dec 2021

Organised events to help female students discover and understand the pathways available in their Tech career.

Coordinator (Melbourne Branch) & Tutor Girls' Programming Network

July 2019 - Dec 2021

Organised and tutored python workshops for female high school students to encourage them to pursue a career in STEM.

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