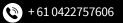
SAHARSHA KARKI SOFTWARE ENGINEER







Melbourne VIC, Australia



WORK EXPERIENCE

SEEK

Software Developer • Jan 2021 - Present

- Completed two six-month rotations in different full-stack teams; developed my knowledge of AWS services and best practices
- Led a data-driven SEO initiative; I architected and delivered a high-throughput end-to-end analytics pipeline that delivered valuable insights into Googlebot's crawling behaviour into a data warehouse
- Liaised with product and design experts to deliver A/B tests spanning various areas, including LLM-driven search, email alert design uplifts, and SEO meta tag optimisation
- Introduced new technologies and patterns to Jora's candidate monolith where appropriate, including storing search query normalizations in DynamoDB, and moving our Fargate workloads to Graviton, which resulted in 20% cost savings

Capital Guardians

Software Engineer Intern • Feb 2020 - Jun 2020

- Delivered a feature that allows aged-care providers to schedule shifts for itinerant workers
- Documented the key modules of a large PHP monolith
- Wrote and maintained a handbook for future student interns

EDUCATION

Master of Information Technology, **Distributed Computing**

University of Melbourne • 2019-2020

- Completed coursework in distributed systems, networks, and software project management
- Awarded the Melbourne School of Engineering scholarship, and Melbourne Foundation scholarship based on strong prior academic performance

Bachelor of Arts,

Computer Science and History

Amherst College, Amherst MA, USA • 2014-2018

- Completed coursework in data structures and algorithms, machine learning, and programming language paradigms
- Spent four semesters as a CS teaching assistant, grading homework assignments and providing feedback on student's code
- Wrote an award-winning paper on the education system of the early Soviet Union

SKILLS

- Ruby on Rails
- Typescript
- Terraform
- ReactJS

- NodeJS
- AWS
- CI/CD

PostgresQL