SAHARSHA KARKI
SOFTWARE ENGINEER

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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
- NodeJS
- Typescript
- AWS
- Terraform
- CI/CD
- ReactJS
- PostgresQL