

ASHIKLAL MEMANAPARAMBIL ASOKALAL

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Temporary Graduate Visa (subclass 485) | Full Australian work rights until May 2029 | No sponsorship required

PROFESSIONAL SUMMARY

Cloud and DevOps focused engineer with a Master of IT from Monash University, AWS and Azure certifications, and hands-on experience designing serverless architectures, automating deployments, and supporting production web infrastructure. Comfortable across AWS (Lambda, S3, API Gateway, Cognito, DynamoDB), Terraform, Docker, Kubernetes, and CI/CD pipelines, with a working full-stack background in Next.js, React, TypeScript, and MongoDB. Strong troubleshooting instincts built through cross-platform QA at Cognizant and operational leadership at Woolworths. Looking for a junior or graduate Cloud, DevOps, Platform, or SRE role in Melbourne where I can contribute to reliable systems and grow into deeper infrastructure ownership.

TECHNICAL SKILLS

Cloud Platforms: AWS (Lambda, S3, API Gateway, Cognito, DynamoDB, IAM, CloudWatch), Google Cloud Platform, Microsoft Azure (Fundamentals)

Infrastructure as Code & Containers: Terraform, Docker, Kubernetes

CI/CD & Deployment: GitHub Actions, Vercel, automated build and deploy pipelines, multi-environment release workflows

Scripting & Programming: Python, JavaScript, TypeScript, Bash, SQL, Java, C++

Operating Systems & Networking: Linux, macOS, Windows, REST APIs, HTTP/HTTPS traffic analysis (Charles Proxy), DNS and basic networking concepts

Databases: MongoDB, DynamoDB, SQL (relational)

Web & Application Stack: Next.js, React, Node.js, Flask, HTML5, CSS3

Practices: Infrastructure as Code, Serverless Architecture, Role-Based Access Control, Agile (Scrum and Kanban), Git and GitHub workflows, code review, incident troubleshooting

PROFESSIONAL EXPERIENCE

Full-Stack Developer Intern | Remote King Australia

Mar 2026 - Present

allremotes.vercel.app | E-commerce platform for garage, gate and automotive remotes

- Contributing to a live production Next.js, React, and TypeScript e-commerce platform deployed on Vercel, with MongoDB for data persistence and AWS S3 (ap-southeast-2) for media storage.
- Working within an existing CI/CD pipeline through Vercel, pushing changes through pull request reviews and automated preview deployments before promotion to production.
- Onboarding into an unfamiliar codebase, reading through configuration, deployment settings, and infrastructure choices to safely take ownership of frontend and integration work.
- Collaborating with the team using Git and GitHub workflows, raising and resolving issues, and supporting day-to-day reliability of customer-facing pages.

Assistant Department Manager | Woolworths Group Limited

Apr 2025 - Present

Promoted from Store Team Member | Part-time, alongside studies and tech work

- Reduced weekly stock loss by 60 percent and consistently held losses below 200 dollars by tightening operational processes and compliance discipline.
- Sustained 95 percent or higher on-shelf availability through structured daily checks and recovery routines.
- Met 100 percent of shift KPIs across 8 or more consecutive weeks by reprioritising workload and reallocating tasks under live operational pressure, transferable to incident response and on-call thinking.
- Earlier role (Jul 2022 to Mar 2025): Store Team Member and Duty Manager, leading 50 plus duty manager shifts, handling escalations and end-of-day procedures.

Programmer Analyst | Cognizant Technology Solutions

Dec 2020 - Dec 2021

- Validated software behaviour across 7 or more device targets including Amazon Fire TV, Android TV, Apple TV, Roku, iOS and Android, building deep familiarity with platform differences and release pipelines.

- Used Charles Proxy to inspect HTTP and HTTPS network traffic, debug ad delivery flows, and produce evidence-based bug reports for engineering teams.
- Designed and executed test strategies for ad-tech integrations across major OTT platforms, contributing to improved platform reliability and reduced post-release defect rates.
- Worked closely with cross-functional engineering and product teams in an Agile environment, improving integration workflows and ticket turnaround.

PROJECTS

Job Hunt Tracker | Personal Project

Tech Stack : Next.js 16, React 19, TypeScript, MongoDB, Clerk, Anthropic SDK, Tailwind CSS

- Built a full-stack web application in Next.js (App Router), React, TypeScript, and MongoDB with SaaS-grade architecture including Clerk authentication, a 4-state user approval workflow, plan-based feature limits, and a role-based admin panel with a 90-day audit log.
- Integrated the Anthropic Claude API to stream AI-generated resume tailoring and cover letter outputs, and implemented a USD-based quota system that tracks token costs per model and enforces per-user monthly spend limits in MongoDB.
- Designed a DOCX export pipeline with admin-uploadable templates, an AI-driven slot-fill step using Claude Haiku for cost efficiency, and a slot cache to skip redundant AI calls on re-export.
- Built a Kanban pipeline view with drag-and-drop reordering using dnd-kit and instant optimistic UI updates via React 19's useOptimistic hook, eliminating round-trip latency on status changes.
- Set up dual-channel admin notifications on new user signups via Resend (email) and Telegram Bot API, using Promise.allSettled to ensure notification failures never interrupt the signup flow.

Cloudsnap - Serverless Image Storage and Auto-Tagging Platform | Coursework Project

Tech Stack : AWS Lambda, S3, API Gateway, Cognito, DynamoDB, Python, YOLO

- Designed a fully serverless image upload and retrieval platform on AWS, using Lambda functions behind API Gateway with S3 for object storage and DynamoDB for metadata.
- Implemented authentication and role-based access control with AWS Cognito, isolating user data and enforcing least-privilege access patterns through IAM.
- Integrated a YOLO-based object detection step into the upload pipeline so images were automatically tagged and indexed without manual intervention.
- Owned the end-to-end AWS service wiring in a small Agile team, producing a scalable architecture with no servers to patch or manage.

Zero Waste Horizons | Coursework Project

Tech Stack: HTML, CSS, JavaScript, mapping APIs, image classification

- Built a responsive front-end dashboard visualising waste management trends across Victorian suburbs to make community data more accessible.
- Integrated a location-based drop-off finder using mapping APIs and a basic image classification tool for hazardous waste identification.

EDUCATION

Master of Information Technology | Monash University, Melbourne

Feb 2022 - Dec 2023

Coursework: Cloud Computing, Mobile and Distributed Computing, Software Engineering, Internet Application Development, UI Design and Usability, Project Management

Bachelor of Technology in Computer Science (Honours) | Saintgits College of Engineering, APJ Abdul Kalam Technological University

Aug 2016 - Oct 2020

Published IEEE paper: [Intrusion Detection and Prevention System Using Deep Learning](#) - applied deep learning to network security, foundational to a DevSecOps mindset.

CERTIFICATIONS

- **AWS Certified Cloud Practitioner** - Amazon Web Services, 2025
- **Microsoft Certified: Azure Fundamentals (AZ-900)** - Microsoft, 2025
- **Meta Full-Stack Developer Professional Certificate** - in progress