Cameron Badman

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Professional Experience

Software Engineer, Base — Dec 2024–Present
- Implemented Github CI/CD pipelines to streamline development and deployment processes
- Managed a small group of international developers across multiple time zones
- Performed significant refactors to modularise code, enabling easy switching between monolithic and services-based architecture
- Migrated from PayPal SDK v1.0.10 to current version, improving payment processing reliability
- Technologies: PostgreSQL, Node.js, React Native

DevOps Engineer, Cyberloop (oil tech) — Jan 2023–Feb 2024
- Implemented CI/CD pipelines in bitbucket that reduced manual testing time by 75%
- Refactored Cypress tests and wrote majority of tests for multiple complex SaaS products
- Reduced migration costs by 20% by creating bash script to compress unstructured data on Firebase
- Developed GenAI-powered tool that assigns labels for difficulty and time automatically
- Maintained and deployed Docker containers using Portainer and Helm on Google Cloud Engine

Teacher Assistant - Cert IV in Cybersecurity, NDIS (TAFE) — Nov 2021–May 2022
- Taught foundational Python programming and networking concepts
- Provided hands-on training in network infrastructure, covering switches, routers, and server technologies

Python Tutor, Junior Engineers — Jun 2021–Feb 2023
- Rewrote programming classes for children and teens, making complex coding concepts easier to understand
- Led advanced classes for 8-16 year olds, teaching Python OOP, Scratch, Arduino, Minitendo

Project Assistant/Crowdfunding Analyst, Kuranda Industries — Jul 2022–Nov 2022
- Supported multi-million dollar real estate investment deals with data-driven pricing calculations
- Created predictive models that helped identify promising housing markets faster and more accurately

Education

University of Queensland – Bachelors of Computer Science/Commerce — 2021–Present

Projects - All projects available on [GitHub](#)

AgriMarket Live [GitHub]
- Built a platform for buying and selling produce with real-time market features
- Deployed Go-based microservices on AWS ECS with containerized Docker architecture
- Created React application with responsive design for optimal user experience
- Managed infrastructure with Terraform, utilizing AWS Cognito for authentication and S3 for file storage
- Technologies: Go, React, Docker, AWS ECS, Cognito, S3, Terraform

Distance Measurement Computer Vision [GitHub]
- Built a computer vision system using OpenCV and Python to measure distances between colored squares in real-time
- Implemented color detection and object tracking with live calibration functionality
- Created a Tkinter GUI for real-time measurement display and system controls
- Technologies: Python, OpenCV, NumPy, Tkinter

Collaborative Drawing WebApp [GitHub]
- Developed a real-time collaborative drawing application with custom HTML canvas drawing system
- Built Go microservices with goroutines and WebSocket connections for real-time collaboration
- Deployed on AWS using containerized architecture with Kubernetes orchestration
- Technologies: Go, JavaScript, Docker, Kubernetes, AWS, WebSockets

Reddit Clone [GitHub]
- Created a social media client with an improved scroll-style UI built to be more interactiveman
- Utilizes Vue.js and Quasar component library, with the axios api library
- Technologies: Reddit-Api, Quasar, Vue.js, javascript

NixOS Linux Configuration [GitHub]
- Currently using a complex flake based NixOS-based desktop, Including hyprland, waybar, alacritty, and Neovim

Open-Source Contributions

goproxy [GitHub]
- Developed HTTP Archive (HAR) middleware with Prometheus/Grafana integration using goroutines
- Modernizing project's testing infrastructure, transitioning to modern testing practices using testify

Technologies and Skills

Languages: Go, Java, Python, TypeScript, Bash, SQL, Gleam
Web Technologies: React, Vue.js, ASP.NET, HTML, CSS
Cloud & DevOps: AWS, Docker, Kubernetes, Terraform, Nix, GCP
Databases: PostgreSQL, SQLite, Redis, Cassandra, DynamoDB
Tools: Git, GitHub, Playwright, CI/CD, Kafka, Atlassian
Operating Systems: Windows, Mac, Linux, Arch-Linux, NixOS, Ubuntu