

Ashwin Kaushik

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Personal Statement

Software developer with hands-on experience across full-stack development, infrastructure automation, and systems architecture. Proven ability to design and deploy secure, scalable solutions using modern tools like Docker, Kubernetes, and Terraform. Background includes leading eCommerce operations, automating system integrations, and maintaining homelab environments to explore DevOps and network optimization. Particularly interested in roles focused on networking, security, and backend systems where performance, reliability, and clean architecture are critical.

Skills & Abilities

- Languages: Python, Java, C#, JavaScript, Kotlin, HTML/CSS, R
- Frameworks & Libraries: Svelte, React, Node.js/Express, REST API's, .NET
- Tools: Docker, Kubernetes, Proxmox, Git, Ansible, Terraform
- Certifications: Google Data Analytics Professional

Education

MASTER OF INFORMATION TECHNOLOGY

University of Auckland

July 2024 – Present

Relevant Courses: Web Technologies, Security for Smart Devices, Parallel Computing, Statistics

Research Project: Impact of increased network load on Docker to Docker connections

GPA 7.75

BACHELOR OF SCIENCE, MANAGEMENT INFORMATION SYSTEMS

University of California, Riverside

August 2019 - June 2022

Relevant Courses: Systems Analysis & Design, DB Management, Business Simulation

GPA 3.2

Personal Projects

HOMELAB INFRASTRUCTURE & DEVOPS AUTOMATION

- Designed and deployed a personal homelab environment to explore systems architecture and cloud-native development. Implemented full-stack automation pipelines with Docker and Kubernetes for app deployment, backed by infrastructure-as-code using Ansible and Terraform.
- Hosted a self-contained web application with monitoring and backup protocols across Proxmox VM's
- Technologies Used: Proxmox, Linux, Nvidia GPU, Bash Scripting, Docker, Kubernetes, Ansible, Terraform

FULL-STACK BLOGGING WEBSITE

- Deployed a full-stack blogging website as part of a course final project
- Designed a SQL database to store user and blog information along with a robust front-end to support user authentication, image upload, password hashing. The front and backend communicated using REST API's developed with Node.js
- Technologies Used: SvelteKit, Node.js, Express, Java, SQL

Work Experience

ECOMMERCE SPECIALIST | SUMMIT BICYCLES | DEC 2020 – JUNE 2024

- Independently established B2B relationships with core business partners
- Lead eCommerce team; Customer outreach, order processing, & fulfillment
- Server management, inventory management, & web design

SOLUTIONS ANALYST INTERN | NIDAAN SYSTEMS | OCT 2022 – FEB 2023

- Designed, updated, and managed Wordpress website/domain, improving load speed by 3x and enhancing user experience across desktop and mobile platforms
- Implemented REST API's and custom scripts via Dell Boomi to automate data transfer between internal systems
- Created technical documentation including data-flow-diagrams and process charts to support system integration and streamline cross-functional collaboration

Activities and Interests

Cycling, Tramping, Fishing, Motorcycling, Homelab, Sports Analytics

References

Available on request (USA based)