

AZLAN SHAVEEN RABAN

DevOps Engineer | SRE

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SUMMARY:

DevOps Engineer focused on scalable Kubernetes infrastructure, automated CI/CD, and resilient cloud systems. Build pipelines, platforms, and processes that help teams ship faster with fewer failures. Driven to simplify complexity and deliver reliable, production-ready engineering.

WORK EXPERIENCE:

Aintegrater.ch

DevOps Engineer | October, 2025 - Present

- CI/CD Automation and Pipeline Improvements

- Replaced manual weekly deployments (5/week) with automated reusable GitHub Actions workflows, enabling 5+ deployments per day.
- Implemented PR-label-based Dev → STG promotion, eliminating human error.

- Kubernetes and Multi-Cluster Management

- Managed three Kubernetes clusters across STG and PRD with a combined 10 nodes, hosting multiple microservices, across Transcript, LiaChat, and Valais clusters.
- Standardized production-ready deployments with Helm and GitOps (ArgoCD).
- Diagnosed and fixed cluster-level issues including OIDC failures, networking issues, ingress routing, and service misconfigurations.

- Monitoring, Alerting & Observability (Built from scratch)

- Introduced full observability stack where none existed before.
- Set up Grafana Cloud with dashboards for CPU, RAM, disk, pod metrics, and cluster health.
- Integrated log aggregation using Grafana Alloy.
- Introduced incident detection and improved overall reliability (99% uptime).

- Disaster Recovery & Backup Strategy (3-2-1 Rule)

- Designed and implemented daily 3-2-1 backups for - LiaChat (STG/PRD), LiaTranscript (STG/PRD), Valais (STG), Passbolt.
- Automated backup jobs via Kubernetes CronJobs across all clusters.
- Reduced database recovery time from hours → ~15 minutes through automated restore scripts.
- Ensured full offsite and object-storage redundancy for long-term resilience.

Victrix Tech

Quality Assurance Engineer | February, 2025 - August, 2025

- Actively led QA efforts in a fast-paced full-stack development environment, taking ownership of test strategy, execution, and quality standards across multiple services. Implemented automated tests using Jest and Supertest for API verification, and Cypress for end-to-end coverage, ensuring product reliability throughout rapid release cycles.
- Stepped into a hybrid engineering role—functioning as both QA and the de facto lead—collaborating closely with backend and frontend teams to drive quality decisions, identify gaps, and maintain stability throughout the product lifecycle. Integrated automated test suites into the CI pipeline using GitHub Actions, enabling test execution on every pull request and merge for early defect detection and stronger continuous integration.
- Leveraged tools such as Postman and MongoDB Compass for debugging, validation, and ensuring consistent API and database behavior. Demonstrated fast learning, reliability, and strong problem-solving skills, becoming a trusted contributor despite the short five-month timeframe.

Mandadev

Trainee Software Engineer | July, 2024 – January, 2025

- Gained hands-on experience working extensively with the MERN stack (MongoDB, Express.js, React, Node.js), developing, testing, and deploying scalable web applications.
- Collaborated closely with a German client to enhance their CRM system, implementing backend API improvements and fine-tuning frontend features to improve usability and performance.
- Strengthened frontend development skills using React and Tailwind CSS to build responsive and visually appealing user interfaces aligned with modern UX principles.
- Enhanced backend development proficiency in Node.js, focusing on API design, integration, and debugging using tools like Postman and MongoDB Compass.
- Applied version control best practices using Git and GitHub, participating in code reviews and continuous integration workflows to maintain code quality and team collaboration.
- Deepened understanding of software engineering fundamentals and industry best practices through hands-on coding, peer feedback, and iterative learning.

ARTICLES:

The Architecture of Learning: Understanding Back-Propagation

Azlan Raban | March 20, 2026

- Core understanding of Paper published in 1986 “Learning representations by back-propagating errors” by David Rumelhart, Geoffrey Hinton, and Ronald Williams.
- This paper provided the blueprint for how almost every modern neural networks (LLMs) actually learns.

Networking Fundamentals: A Developer’s Perspective

Azlan Raban | March 23, 2026

- Technical Article on Networking Fundamentals and how to get started with Networking in the learning journey.

EDUCATION:

Cardiff Metropolitan University – ICBT Campus
Higher National Diploma – Software Engineering

SKILLS:

- Cloud & Infrastructure: Docker, Kubernetes, Helm, GitOps, Google Cloud Console, AWS, Linux Server Administration.
- Infrastructure as code: Terraform (basic), Helm Charts.
- CI/CD & Automation: GitHub Actions, Git, ArgoCD.
- Observability: Grafana, Prometheus Operator, Alloy, Alertmanager, Logging & Metrics Troubleshooting.
- Networking & Deployment: Ingress Controller (Nginx/ Traefik), DNS, Load Balancing Concepts, Kubernetes Deployments & Service Configuration.
- Scaling & Reliability: Kubernetes Autoscaling (HPA, VPA, Cluster Autoscaler), Backup & Disaster Recovery (CronJobs, Snapshot Strategies).
- Programming: Bash, Python, JavaScript.