

HUY TRAN

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SUMMARY

Full Stack Engineer with a strong background in building data-driven platform portals, seamless user workflows, and scalable cloud infrastructure. Proficient in bridging the gap between frontend user experience (React, TypeScript) and backend orchestration, with hands-on experience in containerization (Docker, Kubernetes) and multi-cloud CI/CD pipelines. Passionate about improving developer and user onboarding experiences through self-service functionalities, robust API integrations, and automated workflows.

EXPERIENCE

Adamodigi, FullStack Developer

Jan 2023 - Present

- Engineered complex, self-service UI workflows using React and TypeScript, improving data validation logic, state handling, and overall UX clarity for end-users.
- Refactored complex interface components into reusable, modular UI units, accelerating the development of platform features and maintaining a consistent user experience.
- Designed and integrated backend services using Node.js and PostgreSQL, establishing seamless API connections between the frontend application and backend data systems.
- Maintained and optimized CI/CD pipelines to improve deployment reliability, reduce build times, and ensure smooth platform releases.
- Optimized and reduced deployment time of FE project from 15 minutes to 7 minutes
- Integrated automated testing (Jest, Cypress) directly into the deployment pipeline to ensure regression safety and high-quality software delivery.

Accenture, FullStack Developer Intern

May 2022 - Nov2022

- Redesigned and rebuilt a complex data dashboard portal using React, specifically focusing on improving logical flow and reducing cognitive load for users navigating complex datasets.
- Collaborated closely with stakeholders to translate business needs into intuitive user interfaces and simplified interaction patterns.
- Built scalable microservices using Golang and Python to support demanding frontend data needs and integration requirements.
- Deployed containerized microservices to GCP via Azure Pipelines, gaining practical experience with Docker and Kubernetes orchestration.

Adamodigi, Part-time Full Stack Developer

Aug 2021 - Dec 2022

- Developed highly performant web applications using Next.js and headless architectures, improving user engagement by 20%.
- Implemented edge-computing features (Geo-detection via Cloudflare Workers) to automate and personalize the user journey based on location data.

Code.Rehab, FullStack Developer Intern

Feb 2021 - Jul 2021

- Developed frontend platform features using React and connected them to diverse backend systems using GraphQL APIs.
- Created serverless microservices with Node.js on AWS to handle specialized platform tasks.
- Implemented a CI/CD pipeline integrating Jira and AWS for automated tracking and deployment.

SKILLS

TypeScript, JavaScript, React, Next.js
Microservices, CI/CD, Docker, Kubernetes
PostgreSQL, SQL, MongoDB

Node.js, REST API, GraphQL
Azure DevOps, GCP, AWS, Terraform
n8n (Workflow Automation)

Platform Engineering & Orchestration Projects

Workflow Orchestration & Automation (n8n Homelab) | 2023 - Present

- Deployed and managed self-hosted an n8n instance, to orchestrate data flows and automate backend processes.
- A Proxmox server at home leveraging Docker, Linux, LXC, and Infrastructure-as-Code (IaC) to host that host multiple services, such as: Home Assistant, Redis server, Ubuntu server, Plex, qBittorrent, adguard.

Multi-Cloud CI/CD & Infrastructure Automation

- Designed and implemented a robust multi-cloud CI/CD pipeline using Azure DevOps to build and deploy containerized Next.js applications to Google Kubernetes Engine (GKE).
- Provisioned cloud infrastructure and self-hosted CI agents using Terraform, implementing secure service-account authentication, Docker cache optimization, and automated cleanup to ensure scalable, reliable deployments.
- Managed public cloud infrastructure (OpenStack), ensuring high uptime and reliable performance for multiple hosted services.
- Managed self-hosted email service (Dovecot, Postfix, Roundcube), and server analytics services (Prometheus, Grafana)

EDUCATION

SAXION UNIVERSITY OF APPLIED SCIENCE

B.A. in Software Engineering - 2022