

SAICHARAN DUDUKA

Mobile: +44 7774 924373

Email: charan777492@gmail.com

github.com/charan333777 | bandle.com | cvmindai.com

DevOps & Cloud Engineer

DevOps and Cloud Engineer with 5+ years of combined technical experience across cloud infrastructure, CI/CD automation, full-stack development, and live SaaS product delivery. Experienced in designing, automating, and supporting scalable cloud infrastructure across Microsoft Azure, AWS, and Google Cloud Platform (GCP). Strong hands-on expertise in Infrastructure as Code, containerisation, Kubernetes orchestration, monitoring, logging, security, and release engineering. Experienced with Terraform, ARM Templates, AWS CloudFormation, Azure DevOps, Jenkins, Docker, Kubernetes, Helm, Ansible, Puppet, Datadog, Azure Monitor, and CloudWatch. Able to work closely with development, QA, product, and operations teams to deliver reliable, secure, cost-efficient, and highly available cloud systems in fast-paced Agile environments.

Alongside professional DevOps experience, hands-on full-stack builder of live SaaS products including **CVMindAI** and **Bandle**, with practical experience across **Next.js**, **Node.js**, **TypeScript**, **Supabase**, **Stripe**, **OpenAI API**, **production deployments**, **DNS**, **SSL**, **authentication**, and **secure environment configuration**.

Profile Snapshot

- Proficient in designing, deploying, and managing **cloud infrastructure across Azure, AWS, and GCP** with strong DevOps, CI/CD, automation, and release-management experience.
- Hands-on experience building and maintaining **CI/CD pipelines using Azure DevOps, Jenkins, Maven, ANT, YAML, Nexus, and SonarQube** for automated build, test, quality checks, artefact management, and deployment workflows.
- Strong Infrastructure as Code background using **Terraform, ARM Templates, and AWS CloudFormation** to automate provisioning across multiple environments.
- Experienced in **Docker, Kubernetes, Helm, Amazon ECS, and Azure Container Registry** for containerised application packaging, deployment, and orchestration.
- Skilled in monitoring, logging, and observability using **Datadog, Azure Monitor, AWS CloudWatch, and Log Analytics** to improve visibility, reliability, and proactive incident detection.
- Practical knowledge of **Azure Active Directory, MFA, IAM, Network Security Groups, vulnerability scanning, load balancers, firewalls, and private networking** to support secure cloud operations.
- Proven ability to troubleshoot deployment failures and infrastructure issues through **root-cause analysis, automation improvements, and cross-functional collaboration**.
- Built and launched live products end to end, combining **DevOps, cloud deployment, full-stack development, AI workflows, payments, authentication, analytics, and production support**.

Technical Skills

Cloud Platforms: Microsoft Azure (IaaS & PaaS), AWS, Google Cloud Platform (GCP)

Infrastructure as Code: Terraform, ARM Templates, AWS CloudFormation

CI/CD & DevOps Tools: Azure DevOps, Jenkins, YAML Pipelines, Maven, ANT, Groovy, Nexus, SonarQube

Containers & Orchestration: Docker, Kubernetes, Helm, Amazon ECS, Azure Container Registry

Configuration Management: Ansible, Puppet

Monitoring & Logging: Datadog, Azure Monitor, AWS CloudWatch, Log Analytics

Security & Identity: Azure Active Directory, MFA, IAM, Network Security Groups, vulnerability scanning

Source Control / SCM: Git, GitHub, GitLab, Bitbucket, TFS

Scripting & Automation: PowerShell, Bash, YAML

Full-Stack & Product: TypeScript, Next.js, React, Node.js, Express, REST APIs, Supabase, Stripe, OpenAI API

Ways of Working: Agile, Scrum, DevOps, Continuous Integration, Continuous Delivery

Professional Experience

Solo Developer

Apr 2026 - Present

CVMindAI - Self-employed, Remote, United Kingdom

- Solo developer of CVMindAI, a live AI-powered CV optimisation platform for UK job seekers, owning product design, full-stack engineering, AI workflow, payments, compliance, and production operations.
- Designed and built the application using **Next.js, React, TypeScript, Tailwind CSS, Node.js, Express, and REST APIs**.
- Developed the core AI optimisation pipeline using **OpenAI**, supporting CV parsing, job-description analysis, ATS-style scoring, recruiter-style rewrites, targeted suggestions, and PDF/DOCX exports.
- Implemented monetisation with **Stripe**, including one-off payments, promotion codes, entitlements, receipts, refunds, idempotency, and sales-ledger handling.
- Integrated **Supabase PostgreSQL, authentication, email capture, analytics, telemetry, validation checks, and test harnesses** to improve reliability and support product growth.

DevOps Engineer

Feb 2025 - Mar 2026

CUBE - United Kingdom

- Designed and deployed scalable **IaaS and PaaS solutions across Microsoft Azure and GCP** using ARM templates and PowerShell scripting.

- Implemented **Terraform and ARM Templates** to provision and deploy multi-tier cloud applications across environments.
- Built and maintained **CI/CD pipelines in Azure DevOps** integrating Maven, ANT, Groovy scripts, and Nexus for automated build, test, and artefact management.
- Developed **Ansible playbooks** to automate installation and configuration of DevOps tools including Jenkins and Artifactory.
- Managed **Docker and Kubernetes workloads** and deployed microservices using Helm charts across development and production environments.
- Configured Azure Availability Sets, VM Scale Sets, Azure AD, MFA, and **Datadog monitoring and alerting** to improve resilience, security, and observability.
- Worked with development, QA, product, and operations teams in **Agile environments** to support reliable cloud-native deployments.

Software & Project Intern

Jun 2024 - Feb 2025

University of East London - London, United Kingdom

- Supported a university web application being prepared for production, contributing to **backend development and DevOps process improvements**.
- Introduced **version control workflows, deployment tooling, structured task tracking, and release coordination** to move the codebase towards production readiness.
- Delivered an industry-engagement campaign connecting UK companies with undergraduate students, coordinating across **design, academic, and external stakeholders**.
- Managed delivery across a four-month semester, providing stakeholder updates, gathering feedback, and delivering within budget.

Cloud Engineer Intern

Aug 2023 - Jun 2024

University of East London - London, United Kingdom

- Deployed and managed AWS infrastructure using **EC2, RDS, VPC, Route 53, IAM, Direct Connect, CloudFormation, S3, Glacier, and CloudWatch**.
- Launched and managed Linux-based EC2 instances across development, test, and production environments with **Auto Scaling Groups and Elastic Load Balancers**.
- Provisioned infrastructure using **AWS CloudFormation** templates and managed AWS infrastructure using Puppet and custom automation scripts.
- Built and maintained **Jenkins CI/CD pipelines** with Maven and ANT, and deployed/scaled web applications via AWS Elastic Beanstalk.
- Containerised applications using Docker and developed Jenkins pipelines on Kubernetes using Docker and Kubernetes as runtime environments.

DevOps Engineer

Mar 2021 - May 2023

Capgemini - India

- Designed and managed scalable cloud infrastructure across **Azure and GCP** supporting enterprise applications and product environments.
- Worked with Azure services including **Virtual Networks, Virtual Machines, VM Scale Sets, App Services, PostgreSQL, NSGs, Route Tables, Private DNS, Load Balancers, and Firewall configurations**.
- Provisioned cloud infrastructure using **Terraform**, creating reusable modules and configuration files for multiple environments.
- Built and maintained CI/CD pipelines using **Azure DevOps, Jenkins, Maven, Nexus, Apache Tomcat, and SonarQube**.
- Developed **YAML-based Azure DevOps pipelines** and ACR-to-App Service deployment pipelines to automate build, test, and deployment workflows.
- Containerised applications using **Docker, Amazon ECS, Docker Hub, and Azure Container Registry** while managing image creation, cleanup, volumes, and repository operations.
- Implemented **Azure Monitor and AWS CloudWatch** for infrastructure monitoring and logging, improving system visibility and operational performance.

Projects

Bandle - End-to-End SaaS Job Application Tracker

Live product - banddle.com

- Designed, built, deployed, and operated a live job application tracking platform as a **solo full-stack SaaS project**.
- Built the frontend using **Next.js and Tailwind CSS** with Supabase PostgreSQL, authentication, and Row-Level Security on the backend.
- Deployed on **Vercel** with GitHub source control, custom GoDaddy DNS, automatic SSL/HTTPS, secure environment variables, SEO metadata, accessibility improvements, privacy policy, and terms of service.

Education

MSc Computer Science with Industrial Placement: University of East London, London, United Kingdom | 2023 - Feb 2025

BEng Computer Science: Aurora's Technological and Research Institute, India | 2018 - 2022

Certifications

Microsoft Certified: DevOps Engineer Expert (AZ-400): Preparation in progress