

VIJAI VEERAPANDIAN

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Profile

DevOps and Cloud engineer worked across startups and enterprise clients, specializing in AWS, Kubernetes, and automation. Skilled in IaC, CI/CD, GitOps, and observability to improve reliability, deployment speed, and cloud efficiency. Strong customer-facing and consulting background with an MBA, translating business needs into scalable technical solutions.

Technical skills

- Cloud platforms: AWS (EC2, EKS, RDS, CloudWatch, S3, IAM), GCP, Azure, Proxmox, VMware vSphere
- Infrastructure as Code (IaC): Terraform, Ansible, Helm, Kustomize
- Containers: Kubernetes (EKS, AKS), Docker, Docker Compose
- CI/CD and GitOps: Jenkins, ArgoCD, FluxCD, AWS CDK
- Monitoring: Prometheus, Grafana, Loki, ELK, OpenTelemetry
- Security: HashiCorp Vault, Mozilla SOPS, SonarQube, Snyk
- VCS and Methodologies: Git, GitHub, Agile/ Scrum
- Scripting: Bash/Shell, Python
- GenAI: Vector search, RAG pipelines, LLM observability, Backend APIs for AI/LLM services.

Business skills

- Demonstrated ability to understand client business requirements and translate them into actionable solutions
- Skilled in conducting requirements gathering sessions, stakeholder interviews and clear communication with non-technical audiences.
- Adept at analyzing business processes, identifying pain points, and proposing pragmatic process improvements
- Experienced in collaborating with cross-functional teams, including developers, architects, and subject matter experts, and business stakeholders to drive consensus and delivery.

Portfolio and public DevOps Projects

GitHub: <https://github.com/vijai-veerapandian>

Certification

Certified Kubernetes Administrator - CKA
AWS Certified Solution Architect Associate - Cloud
Red Hat Certified Specialist in Ansible Automation - Linux
ITIL V3 Foundation

Education

Master of Business Administration, Sprott School of Business
Carleton University, Ottawa, Canada

Full time, First Class and duration: Jan 2023 – June 2024

Bachelor of Engineering from Anna University, Chennai, India

Full time, First Class, and Year of Passing: May 2009

LinkedIn: www.linkedin.com/in/vijaiveerapandian

Work Experience

DevOps | Platform Engineer, AllCognix AI

Duration: Jan 2025 - Present

- Build and operate AWS/EKS infrastructure with Terraform and Docker for multi-tenant SaaS and AI backends.
- Implement hybrid CI/CD using GitHub Actions and AWS CI/CD for microservices, reducing deployment time and enabling multiple daily releases.
- Deploy and maintain an observability stack (Prometheus, Grafana, OpenTelemetry, ELK) to centralize metrics, traces, and logs and reduce MTTR.
- Orchestrate Docker Compose environments with Keycloak, PostgreSQL, MongoDB, Redis, RabbitMQ, and provision AWS RDS.
- Create Python based AWS Lambda jobs for daily cost optimization and reducing cloud spend.
- Support RAG-based microservice using LangChain etc. and model APIs to enhance AI backend capabilities.

DevOps Engineer, Freelancing, Tekcrew.ai

Duration: June 2024 – Jan 2025

- Delivered scalable infrastructure and CI/CD pipelines for cloud-native startups using AWS CDK and Terraform for infrastructure as code.
- Architected and deployed Kubernetes clusters on AWS EKS with Argo CD for continuous deployment and GitOps workflows.
- Implemented security best practices with Vault and SOPS for secrets management, access control, and compliance alignment.
- Implemented Cloud cost optimization using AWS Cost explorer, Compute optimizer and budgets/alerts and Infracost tool to right-size EC2/EKS workloads and eliminate idle resources.

DevOps Engineer, REBL Startup, Part-time

Duration: May 2023 – Aug 2023

- Contributed to a startup agile product development environment, collaborating closely with cross-functional teams.
- Participated in daily scrum meetings and managed tasks through Click Up to ensure project alignment and progress.
- Managing and fixing cluster issues on Neo4j causal Clusters and MongoDB databases in GCP.
- Technical skills include MongoDB Atlas, Docker, GCP cloud, Ubuntu and Neo4j.

Technical Consultant, Wipro Ltd

Duration: 2014 - 2023

Client: Intel, Senior DevOps Engineer

Duration: 2021 – 2023

- Contributed to product development in an Agile environment on a hybrid on-premises and cloud-based platform.
- Developed proof of concept (POC) implementations for computer vision inference using the OpenVINO toolkit for IoT applications.
- Worked on smart city data science projects, utilizing technologies such as Docker, Kubernetes, Grafana, and Prometheus.
- Set up infrastructure platforms using VMware vSphere VMs, Ubuntu MAAS, and AWS with automation tools like Terraform and Ansible.
- Collaborated effectively with cross-functional teams from diverse technical backgrounds to achieve shared project goals.

Client: Cisco

Duration: 2019 – 2020

- Developed and maintained Ansible playbooks for deploying MySQL clusters on RedHat servers.
- Contributed to the integration of Ansible with Kubernetes for efficient container orchestration.
- Actively participated in Agile development processes, user stories and iterative solution cycles.

Client: Apple Computers

Duration: 2017- 2019

- Spearheaded the redesign and enhancement of infrastructure automation tools, including the development of custom Ansible playbooks to improve efficiency and scalability.
- Managed the installation and operation within Docker containers to optimize deployment workflows.
- Been part of ELK stack monitoring team and overseeing AWS and On-prem environment across testing and internal development using Jenkins, Git, and Docker, ensuring streamlined and reliable release management.

Client: Takeda Pharmaceutical

Duration: 2015 – 2017

- Provided technical subject matter expertise in Datacenter IT, serving as a key point of contact for client interactions.
- Managed and resolved infrastructure issues related to SAN and Dell EMC VNX, Unity storage devices, ensuring efficient communication and updates for managers and stakeholders.

Client: Japan Tobacco International

Duration: 2014 – 2015

- Conducted EMC VMX and EMC VNX storage migration, ensuring seamless data transfer and system optimization.
- Configured EMC storage replication to establish disaster recovery (DR) capabilities, enhancing application resilience and high availability.

Ebix Ltd, Senior System Administrator

Duration: 2010 - 2014

Client: Ameriprise Financial Inc, MetLife, Penn Financial, John Hancock Financial Network, National Financial Partners, and HSBC.

- Developed and maintained shell scripts for the deployment and patching of monolithic web applications, streamlining release processes.
- Provided comprehensive server administration for SUSE Linux, Windows Servers, Virtual Machines, and hardware including Dell PowerEdge and HP ProLiant servers.
- Led projects involving the commissioning and decommissioning of application instances to optimize resource utilization.

Volunteering

2023

Role: Sprott MBA Peer Mentor

Details: Sprott School of Business at Carleton University.

2023

Event: Canada Army Run, Sept 2023

Details: Participated and completed 10K Marathon.

2017

Event: Red Cross Blood Donation Camp

Details: Actively participated as a blood donor in the Red Cross Blood donation at Wipro Ltd.

2009

Role: Defender position in Field Hockey team during Undergraduate studies.

Interests

Chess, traveling, stargazing, reading, Computer Home lab building and engaging with philosophy.