

# VIJAI VEERAPANDIAN

Ottawa, Ontario, Canada | Mobile: 343-558-0912 | Email: [vijai.veerapandian@gmail.com](mailto:vijai.veerapandian@gmail.com)

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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](https://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.