VIJAI VEERAPANDIAN

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Profile

Skilled and experienced professional with a good technical background and customer-facing experience. adept at understanding client requirements, analyzing business processes, and translating them into effective solutions. Proven ability to work and lead cross-functional teams and drive successful projects.

Technical skills

- Cloud platforms: AWS (EKS, RDS, CloudWatch, S3, IAM), Azure, GCP, Proxmox, VMware vSphere
- Infrastructure as Code (IaC): Terraform, Ansible, Helm, Kustomize
- Containerization and Orchestration: Kubernetes (EKS, AKS), Docker, Docker Compose
- CI/CD and Automation: GitOps, Jenkins, ArgoCD and FluxCD
- Monitoring and Observability: Prometheus, Grafana, Loki, ELK stack, OpenTelemetry, AWS CloudWatch
- Security and Security Management: Hashicorp Vault, Mozilla SOPS, SonarQube, Synk
- Version Control: Git, GitHub, Agile/ Scrum practices
- Programming and Scripting: Bash/Shell script, Python
- AI and Data Integration (RAG/LLM Projects): LangChain, GPT-5 API integration, FastAPI, Dockerized microservices.

Business skills

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

Portfolio and side 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, OmniNeuroAI   Duration: Jan 2025 - Present

- Built and managed cloud infrastructure from the ground up on AWS and EKS using Terraform. Implemented monitoring and observability using Grafana, Prometheus, and AWS CloudWatch for AI products and pipeline optimization. Developed CI/CD pipelines with GitHub Actions and Jenkins, enabling continuous deployment through ArgoCD.
- Collaborated with Product Owners and development teams to analyze the existing AWS environment and perform cost optimization.
- Contributed to backend development by building a scalable RAG-based microservice integrating LangChain, GPT-5, and other AI models. Containerized and deployed using Docker and Helm on AWS EKS, with CI/CD pipelines powered by Jenkins and GitHub Actions. Instrumented the service with OpenTelemetry and Grafana for tracing and metrics collection.

DevOps Engineer, Freelancing   Duration: June 2024 – Jan 2025

- DevOps Engineer with hands-on experience delivering scalable infrastructure and CI/CD pipelines for Saas and cloud-native startups via Upwork platform and provided solutions using Ansible, Terraform, Jenkins, Argo CD and Kubernetes (EKS and AKS Clusters).
- Implemented DevOps best practices with a strong focus on compliance, security, utilizing Vault, SOPS for secrets management, access control and cost optimization.

DevOps Engineer, REBL Startup, Part-time   Duration: 2023 - 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 Cloud and Implemented MongoDB Atlas to achieve scalability for Dev/Prod.
- 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, collaborating on user stories and delivering solutions in iterative 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.