

VIPUL KARKE

📞 437-446-1295 | 📩 vipulkarke.vk@gmail.com | 💻 linkedin.com/in/vipulkarke | 🐾 github.com/vipulkarke12
📍 Oshawa, Ontario, Canada

PROFESSIONAL SUMMARY

AWS Certified Solutions Architect with 3+ years of full-stack development experience specializing in cloud infrastructure, DevOps automation, and CI/CD pipeline engineering. Proven expertise in reducing deployment time by 70%, cutting production defects by 30%, and architecting scalable cloud solutions on AWS. Skilled in containerization with Docker & Kubernetes, infrastructure as code using Terraform, and building resilient microservices architectures for FinTech applications.

TECHNICAL SKILLS

Cloud Platforms: AWS (EC2, EKS, Lambda, IAM, S3, CloudWatch, VPC, Route53), Azure

DevOps & CI/CD: Jenkins, GitHub Actions, GitLab CI/CD, Docker, Kubernetes (EKS), Terraform, Ansible, Nginx

Containerization & Orchestration: Docker, Docker Hub, Kubernetes, AWS EKS, Helm, Container Security

Monitoring & Observability: Prometheus, Grafana, CloudWatch, ELK Stack, Splunk, Custom Dashboards

Security & Quality: SonarQube, Trivy, OWASP, Security Groups, IAM Policies, Vulnerability Scanning

Programming Languages: Java, Bash, PowerShell, JavaScript, TypeScript, Python, SQL

Frameworks & Tools: Spring Boot, Node.js, Express.js, Angular, Maven, Git, SVN, Linux, WebLogic

Databases: Oracle SQL, PostgreSQL, MongoDB, MySQL, Redis (Caching)

CERTIFICATIONS

AWS Certified Solutions Architect – Associate | Amazon Web Services
Docker Foundations Professional Certificate | Docker Inc.

Expires Jun 2028
2024

PROFESSIONAL EXPERIENCE

Full Stack Software Developer Jan 2022 – Apr 2024
Aurionpro Solutions (HDFC, ICICI, AXIS Banking Projects) Navi Mumbai, India

- Deployed enterprise CI/CD pipelines using **Jenkins** and **GitHub Actions**, reducing release time by **70%** and automating build, test, and deployment workflows for mission-critical banking applications serving millions of users
- Integrated comprehensive DevOps toolchain including **SonarQube** for code quality analysis, **Prometheus/Grafana** for real-time monitoring, and **Trivy** for container security scanning, reducing production defects by **30%**
- Managed **Maven** builds generating WAR (UI) and JAR (backend) artifacts, automating artifact versioning and storage in **Nexus Repository Manager** for efficient dependency management across development teams
- Automated end-to-end deployment workflows from **SVN** code commits to **Oracle WebLogic** application servers with zero-downtime deployments using rolling updates and health checks, achieving **99.8%** uptime
- Developed **REST APIs** and microservices using **Spring Boot** and **Java**, processing 10,000+ daily transactions with **Redis** caching layer that reduced database load by **40%** and improved response times by **60%**
- Optimized **Oracle SQL** database queries and implemented connection pooling with **Hibernate ORM**, improving transaction processing speed by **20%** for high-volume enterprise banking workflows
- Collaborated in **Agile/Scrum** teams to deliver inward/outward remittance modules and CCIL integration, ensuring regulatory compliance (RBI guidelines) and seamless third-party API integration for cross-border transactions

Web Developer Feb 2019 – Oct 2019
MVP Alumni, Ex-Staff & Well-wishers Association (MAEWA) Remote / Mumbai

- Developed and maintained full-stack web application using **HTML5, CSS3, JavaScript, Bootstrap, PHP, and MySQL**, implementing responsive design patterns for cross-device compatibility
- Optimized website performance through code minification, lazy loading reducing page load time by **45%** and improving user engagement metrics by **25%**

CLOUD & DEVOPS PROJECTS

Blogging Platform CI/CD Pipeline with Kubernetes Spring Boot, Jenkins, Docker, AWS EKS	2024
<ul style="list-style-type: none">Built end-to-end automated CI/CD pipeline with Jenkins and GitHub Actions, integrating Maven builds, Docker containerization, security scanning, and deployment to AWS EKS cluster with multi-stage pipelinesProvisioned AWS EKS infrastructure using Terraform, implementing autoscaling node groups, VPC networking, and IAM role-based access control for secure cluster managementConfigured infrastructure monitoring using Prometheus and Grafana dashboards with custom alerts for CPU, memory, and request latency metrics, achieving 99.9% uptime SLAImplemented security scanning with Trivy for vulnerability detection and SonarQube code quality gates in automated pipeline stages, blocking deployments with critical security issuesDeployed Kubernetes Horizontal Pod Autoscaler (HPA) and load balancing with AWS ALB Ingress Controller, handling 5x traffic spikes seamlessly during peak loads	
Food Ordering Application Java, Spring Boot, JWT, Angular, REST API, Docker	2023
<ul style="list-style-type: none">Developed secure JWT-based authentication system with role-based access control (RBAC), session management, and refresh token mechanism for enhanced securityContainerized full-stack application using Docker with multi-stage builds, deployed on AWS EC2 with automated health checks and Nginx reverse proxy for load distributionImplemented RESTful APIs with Spring Boot backend and Angular frontend, achieving sub-200ms API response times through optimized database indexing	

EDUCATION

Durham College Postgraduate Certificate in Cyber Security	Oshawa, ON, Canada Jan 2025 – Aug 2025
Durham College Postgraduate Certificate in Cloud Computing	Oshawa, ON, Canada May 2024 – Dec 2024
Veermata Jijabai Technological Institute (VJTI) Master of Computer Applications (MCA), Information Technology	Mumbai, India Jan 2020 – Aug 2022