

VIPUL KARKE

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📍 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	Expires Jun 2028
Docker Foundations Professional Certificate Docker Inc.	2024

PROFESSIONAL EXPERIENCE

Full Stack Software Developer <i>Aurionpro Solutions (HDFC, ICICI, AXIS Banking Projects)</i>	Jan 2022 – Apr 2024 Navi Mumbai, India
<ul style="list-style-type: none">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 usersIntegrated 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 teamsAutomated 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% uptimeDeveloped 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 workflowsCollaborated 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 <i>MVP Alumni, Ex-Staff & Well-wishers Association (MAEWA)</i>	Feb 2019 – Oct 2019 Remote / Mumbai
<ul style="list-style-type: none">Developed and maintained full-stack web application using HTML5, CSS3, JavaScript, Bootstrap, PHP, and MySQL, implementing responsive design patterns for cross-device compatibilityOptimized 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 <i>Spring Boot, Jenkins, Docker, AWS EKS</i>	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 pipelines• Provisioned AWS EKS infrastructure using Terraform, implementing autoscaling node groups, VPC networking, and IAM role-based access control for secure cluster management• Configured infrastructure monitoring using Prometheus and Grafana dashboards with custom alerts for CPU, memory, and request latency metrics, achieving 99.9% uptime SLA• Implemented security scanning with Trivy for vulnerability detection and SonarQube code quality gates in automated pipeline stages, blocking deployments with critical security issues• Deployed Kubernetes Horizontal Pod Autoscaler (HPA) and load balancing with AWS ALB Ingress Controller, handling 5x traffic spikes seamlessly during peak loads	
Food Ordering Application <i>Java, Spring Boot, JWT, Angular, REST API, Docker</i>	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 security• Containerized full-stack application using Docker with multi-stage builds, deployed on AWS EC2 with automated health checks and Nginx reverse proxy for load distribution• Implemented RESTful APIs with Spring Boot backend and Angular frontend, achieving sub-200ms API response times through optimized database indexing	

EDUCATION

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