# Akhil Mavilla

**+91-** **9966189053** | [**Akhilakki9966@gmail.com**](mailto:Akhilakki9966@gmail.com%20%20) | **www.linkedin.com/in/mavilla-akhil-527227379 | Bangalore, India**

# PROFESSIONAL SUMMARY

* **DevOps/DevSecOps** Engineer with 5+ years of experience in automating **CI/CD pipelines**, managing scalable cloud infrastructure, and enforcing **DevSecOps** best practices. Proficient in tools like **Jenkins**, **Docker**, Kubernetes, and Terraform, with a strong track record of delivering secure, high-performance systems in fast-paced environments
* Developed and maintained **Docker images** aligned with AWS project identifiers efficiently tagged and pushed images to container registry.
* Utilized Jenkins to implement robust **continuous integration** (CI) processes and end-to-end automation of build and deployment pipelines, enhancing development efficiency and reducing manual intervention.
* Leveraged Apache Maven as a primary build automation tool to compile source code and generate deployable artifacts, ensuring consistency and efficiency in the software build lifecycle
* Experienced **AWS DevOps Engineer** with hands-on expertise across the software development lifecycle (SDLC), including requirements gathering, system design, application development, deployment automation, and production support within cloud-based environments.
* Experienced in utilizing **Git** for version control, including the design and implementation of effective branching strategies, enforcement of branch security controls, and governance through branch protection policies to ensure code quality and collaborative development.
* Executed software builds and performed root-cause troubleshooting to resolve build and deployment issues collaborated closely with **development** and **QA** teams to ensure seamless integration and high-quality releases.
* Developed and containerized microservices by creating customized **Docker images** and deploying them into secure and scalable Docker containers, enabling efficient development and streamlined production deployment workflows.
* Managed and maintained multi-environment infrastructure setups—including **DEV, QA, UAT, and PROD**—for multiple application releases designed and configured cloud-based instances to support scalable and reliable deployments across the software lifecycle.

**Technical Skills**

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* **Cloud**: AWS (EC2, S3, IAM, VPC, CloudWatch)
* **CI/CD Tools**: GitHub, Jenkins, Git, SonarQube, Trivy, Nexus Artifactory
* **Containerization & Orchestration**: Docker, Kubernetes, Docker Swarm
* **Monitoring & Logging**: Prometheus, Grafana, ELK Stack, CloudWatch Logs
* **Scripting & Automation**: Bash Shell Scripting, Linux CLI, Cron Jobs
* **Version Control & Project Management**: GitHub, Bitbucket, JIRA, Agile, Scrum, Maven
* **Operating Systems**: Linux (Administration, Performance Tuning, Troubleshooting – Ubuntu, CentOS, RHEL)

# EMPLOYMENT HISTORY

Wells Fargo International Solutions Pvt Ltd

Role – DevOps Engineer July 2021 — Till Date

*Designation - Institutional investment operations Associate*

**Projects #1 (Pega workflow application where trade details fall into queues to do trading)**

* Developed and maintained **CI/CD pipelines** using **GitHub**, accelerating the delivery of new features and bug fixes through automated build, test, and deployment processes.
* Performed comprehensive **Source Code Management (SCM)** tasks using version control systems such as **Git**, including code check-ins, checkouts, branching, and merging between development and mainline branches to support seamless integration and release workflows
* Provided technical support to development and delivery teams on **Continuous Integration/Continuous Delivery (CI/CD)** practices, facilitating smooth build, deployment, and release processes across agile delivery organizations.
* Integrated **SonarQube** into CI/CD pipelines to enforce automated code quality checks, enabling early detection of bugs, vulnerabilities, and code smells, and improving overall code reliability and maintainability.
* Managed release and deployment activities across **Test** and **Production** environments, ensuring timely, stable, and compliant delivery of application updates and new features.
* Delivered end-to-end support across **Production**, **Application Development**, and **Maintenance** teams, ensuring high system availability, quick issue resolution, and seamless coordination throughout the software lifecycle
* Actively participated in **review meetings** for project deliverables.

**Project #2 (Settlement details onboarding into application to make and receive payment Emotion Application)**

* Developed Maven build scripts to automate the packaging of Java applications, enabling consistent and efficient build processes across development and deployment environments.
* **Automated CI/CD** workflows using Jenkins to optimize build and deployment efficiency.
* Utilized **Docker** to containerize applications, ensuring consistent environments across development, testing, and production for streamlined deployment and scalability.
* Integrated **Trivy** into **CI/CD pipelines** to perform automated vulnerability scanning of Docker images and open-source dependencies, enhancing container security and compliance
* Implemented Prometheus for real-time monitoring and alerting of system metrics and application performance, enabling proactive issue detection and improved system reliability.
* Integrated **SonarQube** into **CI/CD** pipelines for automated static code analysis and continuous code quality monitoring.
* Containerized applications using Docker, managed private Docker registries, and leveraged Docker Swarm for orchestration to enable consistent, scalable, and secure deployment environments.

Société Generale Global Solution Centre (SG)

Role – DevOps Engineer Dec 2018- July 2021

*Designation - Analyst*

**Project #3 (Client bank account statements after making or receiving payment, all statements will fall into application called MTM)**

* Created and configured **Jenkins CI/CD pipeline** jobs to automate the build process and deploy application artifacts to Nexus repository, enhancing delivery speed and build consistency.
* Oversaw end-to-end release management processes, including planning, coordination, scheduling, and execution of software deployments across multiple environments to ensure timely and stable application delivery.
* Integrated automated dependency checks into **CI/CD pipelines** using tools like **OWASP Dependency-Check** and Snyk, identifying vulnerable libraries and ensuring secure, compliant software builds.
* Provided regular updates to management on project status, milestones, and scheduling risks, facilitating timely decision-making and proactive resolution of delivery roadblocks
* Deployed **WAR** (Web Application Archive) files to **Apache Tomcat servers** to support seamless application delivery in staging and production environments.

J.P. Morgan

Role – Senior Process Executive Aug 2018 – Nov 2018

* Led the successful implementation of a Emotion -based mailbox integration for managing Derivatives and FX trade confirmations, streamlining communication and enhancing operational efficiency.
* Gathered and analyzed business requirements through stakeholder interviews and workshops, translating them into actionable user stories.

Standard Chartered Bank June 2016 – August 2018 Role -Senior Officer

* Supported global operations across the US, UK, East Africa, and West Africa by updating FX, FTP, and interest rates in Trade Process systems (OTP and DTP).
* Managed LIBOR and AEIBR updates, reconciled market rates, and extracted daily rates from Reuters and Bloomberg, ensuring accurate reporting to respective countries.

**EDUCATION** **Bachelor of Science, SV University, Andhra Pradesh**

# Awards, Achievements and Recognition

* Recognized and awarded for processing error free transactions
* Recognized as good team worker and flexible employee.
* Received 3 times spot awards (employee of the month award)
* Received Icon Award during p4 (employee of the quarter).
* Received appreciation from US Hub Management.

**Certifications**

* UI/UX for Beginners
* Identifying Business Process for Automation