CHIRAG GULATI

SENIOR SOFTWARE ENGINEER AND TECH LEAD

Bengluru, India | cgulati198@gmail.com | https://chiraggulati.in/ | 9999643553 |
https://www.linkedin.com/in/chirag-gulati-695620149/

PROFILE

Dynamic Senior Software Engineer and Tech Lead with over 6 years of experience driving innovative solutions in cloud security and scalable system architecture. Proficient in Python, Kubernetes, and DevOps, with a strong focus on enhancing security and optimising cloud environments. Expertise in fostering high-performing teams through mentorship and best practices in software development, ensuring high code quality and collaborative culture. Demonstrated ability to tackle complex challenges in Cyber Security and integrate open-source tools into robust SaaS platforms, delivering impactful results in fast-paced environments.

TECHNICAL SKILLS

Python (2.x, 3.x)	FastAPI	Django	Kubernetes
Docker	Flask	AWS Services	GoLang
NodeJS	Jenkins	CI/CD	SQL (Postgres)

WORK EXPERIENCE

Senior Software Engineer, EPAM Systems., Bengaluru   **October 2024 — Present**

- **Lead engineer for Trinity RGMx Platform**, a global RGM system used across all Reckitt markets for **pricing, promotions, supply chain, and profitability simulations**.
- **Architected 15+ microservices** (Pricing, Promo, LSM – *Lifecycle Supply Management*, Simulation) on **Kubernetes, Docker, PostgreSQL**, with full CI/CD automation.
- **Built large-scale promo simulations with Gurobi**, running on **massive retail datasets** to forecast **profitability, ROI, and KPIs** for FMCG operations.
- **Resolved complex production issues** — cascading **SSL handshake failures**, cross-service **API auth breakdowns**, and **PostgreSQL bottlenecks under high load**, safeguarding global uptime.
- **Integrated CNAPP and CSPM security** into pipelines, embedding **image scanning, RBAC, secrets management, policy-as-code, and compliance checks** across microservices.
- **Implemented secure auth systems** using **PCAS tokens** and **enterprise-wide SSL certificate management**, ensuring consistent global security.
- **Developed React features** alongside backend services, contributing end-to-end across the stack.
- **Designed ETL pipelines** for **TPM and category data**, handling **multi-TB datasets** with zero-downtime migrations across schemas (*rgmx, datamarts, accelerate*).
- **Mentored teams globally** on containerization, security, and coding best practices, setting standards for enterprise-scale delivery.

Senior Software Engineer, Accuknox, Cupertino   **November 2022 — October 2024**

- **Lead the development, DevOps, and team management** for Accuknox's Cloud Security Posture Management (CSPM) solution, with a strong focus on Kubernetes security and Linux DevSecOps.
- **Drive technical leadership by conducting regular code reviews,** ensuring adherence to best practices, and maintaining high code quality across the team.
- **Played an instrumental role in the hiring process**, identifying and onboarding top talent, and fostering a collaborative, high-performance engineering culture.
- **Actively mentor and guide junior and senior developers**, leading the Python team to foster growth, skill development, and continuous improvement.
- **Architected a robust on-premises multi-tenancy user management system** for Accuknox SaaS, implementing comprehensive Role-Based Access Control (RBAC) features for secure data management and access segregation.
- **Spearheaded the architectural design** and production-level implementation of new features, emphasizing security best practices in cloud and Kubernetes environments.
- **Integrated Accuknox's platform with key open-source security tools** such as AWS Security Hub, CloudSploit, and Trivy, strengthening cloud account security across the board.

Senior Software Engineer, Pectus Finance GMBH, Berlin   **June 2022 — November 2022**
- Developed serverless APIs using Python, NumPy, and Pandas to enhance financial data analysis and reporting capabilities.
- Designed and implemented an upload manager for processing large financial datasets, ensuring efficient handling of files with over 500,000 records.
- Created a custom KPI Builder to generate company-specific KPIs, enabling data-driven financial decision-making.
- Developed a prediction micro-service for financial forecasting, leveraging real-time actuals and budget data.
- Built micro-services for managing hierarchical accounting data, supporting the creation of customized financial reports. Integrated fixed data models, including Charts of Accounts, legal entities, and cost centres, streamlining the accounting processes.

Senior Software Engineer, Cashify.in   **October 2019 — June 2022**
- Led the end-to-end development of scalable, robust systems, ensuring readiness for future challenges.
- Built and deployed Django Rest Framework projects from scratch, integrating cloud services with a focus on AWS infrastructure.
- Integrated Docker for containerisation, Jenkins for CI/CD, and AWS services such as Route 53, Fargate, RDS, and Redshift to optimise deployment processes.
- Developed RESTful APIs for authentication, OTP-based user registration, and implemented secure session and token management.
- Integrated third-party APIs for payment gateways, UPI transactions, Google Maps, and OTP verifications, enhancing application functionality.

PROJECTS

Trinity RGMx Platform (Reckitt Benckiser, Global FMCG), London   **October 2024 — Present**
- The **Trinity RGMx Platform** is Reckitt's enterprise-wide **Revenue Growth Management system**, deployed across **100+ countries and all product categories**. It powers **pricing optimization, promotional planning, lifecycle supply management, and profitability simulations** for global FMCG operations.
- The platform is a **microservices-based ecosystem (15+ services)** running on **Kubernetes and Docker**, backed by **PostgreSQL** and integrated with enterprise-scale data marts. At its core, it leverages **Gurobi optimization** to run **large-scale promotional simulations** on massive retail datasets, predicting **profitability, ROI, demand shifts, and supply chain KPIs**.
- Security and compliance are embedded through **CNAPP and CSPM solutions**, **PCAS token-based authentication**, **RBAC**, and **policy-as-code pipelines** that continuously enforce security across infrastructure and deployments.
- This project represents a **mission-critical digital transformation initiative** for Reckitt, ensuring smarter pricing decisions, optimized trade promotions, and secure, scalable operations across its **multi-billion-dollar global business**.

Accuknox Cloud Security Solution
- **AccuKnox is a comprehensive cloud security solution** offering robust protection for cloud accounts and Kubernetes clusters. By leveraging open-source tools such as **MacCEY, Trivy, AWS Security Hub, CloudSploit, SaltStack-**, and Minions, AccuKnox delivers scalable and effective security infrastructure. Focused on **Cloud Security Posture Management (CSPM)**, AccuKnox enables continuous monitoring, vulnerability detection, and proactive remediation to ensure a strong security posture. Seamlessly integrating with major cloud providers, it offers centralised security management and automation for enhanced cloud security.

ScreenPro
- ScreenPro is a revolutionary mobile repair service that aims to provide convenient and hassle-free smartphone screen repairs without the need for customers to leave their homes. With a team of expert technicians, ScreenPro offers on-site repair services, ensuring a seamless experience for customers.

PhoneShop
- PhoneShop is a comprehensive app designed to help phone shop owners take their business online and efficiently manage their operations. This made-in-India app provides a virtual platform for phone shop owners to enhance their sales, streamline payment collection, manage inventory, track expenses, handle tax systems (GST), participate in bidding for used mobiles on a refurbished phone marketplace, and execute marketing activities, all within a single app.

EDUCATION

Bachelor of Technology   **2019**
Guru Gobind Singh Indraprastha University, New Delhi, India
(8.5 CGPA)