# Kartik Poojari

+91-8551033429 | kartikpoojari109@gmail.com | linkedin.com/in/kartik-poojari | github.com/KRPoojari

## EDUCATION

**Savitribai Phule Pune University**                                          August, 2019 – July, 2023
*BE Computer Engineering CGPA - 8.9*                                          *Pune, India*

## EXPERIENCE

**Freelance Software Developer**                                          January 2024 – Present
*Remote*                                                                        *India*
- Working on building web applications for multiple clients.

**Software Engineering Associate**                                          July 2023 – August 2024
*Telstra*                                                                       *Pune, India*
- Led the development and deployment of microservices, enhancing Developer Experience (DevEx) by optimizing workflows and reducing manual effort.
- Diagnosed and resolved scalability and production issues, optimizing database queries and debugging request sequences to improve system reliability.
- Designed and managed Continuous Integration & Continuous Deployment (CI/CD) pipelines, integrating automated linting rules and security checks into CI/CD pipelines (Veracode, SonarQube, Coverity) to enforce compliance and improve deployment efficiency.
- Optimized cloud infrastructure using AWS, Kubernetes, Helm, and Terraform, strengthening access control and security by configuring OIDC, WAF, and ZTNA policies to reduce unauthorized access incidents.
- Developed adaptors for tools like Coverity and Veracode to streamline onboarding and access management for users, teams and projects, reducing setup times significantly
- Partnered with cross-functional teams, ensuring seamless collaboration between development, operations, and security teams.
- Implemented monitoring and observability using Prometheus and Grafana, enhancing system reliability through proactive monitoring and alerting.

**Software Engineering Intern**                                          Feb 2023 – July 2023
*Telstra*                                                                       *Pune, India*
- Built scalable backend applications using NestJS, PostgreSQL, and Sequelize, optimizing API performance for better responsiveness.
- Developed data synchronization and migration scripts, improving data integrity and database performance.

## PROJECTS

**Stallion** | *Golang*                                                          Sept 2023
- Developed a fault-tolerant distributed key-value store using the Raft consensus algorithm, maintaining high system availability.
- Implemented leader election and log replication, improving data consistency and resilience

**SocialX** | *Python, PostgreSQL, Docker*                                          Jan 2022
- Designed a fully functional API for social media applications, enabling seamless user authentication and content management.
- Integrated real-time notifications and WebSocket support, improving user interaction and engagement.
- Deployed using Docker, ensuring high scalability and portability.

## TECHNICAL SKILLS

**Languages**: Python, Go, JavaScript, Java
**Back-end Frameworks**: Express.js, NestJS, FastAPI, Flask, Spring Boot
**Databases**: PostgreSQL, DynamoDB, MongoDB, Redis
**DevOps & Cloud**: Kubernetes, Docker, AWS, Helm, Terraform, Git, CI/CD
**Monitoring & Security**: Prometheus, Grafana, Veracode, Coverity, SonarQube
**Others**: Linux, WebSockets, API Development, Agile/Scrum, Authentication (OIDC, OAuth2.0)

## INTERESTS

Motorsports, E-sports, DIY Electronics, CTFs