

# KULDEEP PARMAR

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## ABOUT

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I'm a software developer focused on cloud-native systems and information security, building backends meant to stay secure under real load. Working with AI tools every day lets me get into unfamiliar codebases fast, modernize aging stacks, and ship features quickly. Open to remote work and new challenges.

## AI-DRIVEN DEVELOPMENT

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- **Codebase fluency:** architecture notes, dependency maps, and behavior audits of an unfamiliar system in days, not weeks.
- **Modernization & migration:** framework upgrades, runtime moves, and cross-stack ports, rolled out strangler-fig style with characterization tests covering the old behavior.
- **Rapid feature delivery:** vertical slices into existing systems without regressions, reviewed commit by commit instead of in one giant PR.
- **Custom agents & workflows:** task-specific sub-agents wired into a team's dev cycle. CI review that catches what lint can't (convention and architecture drift, senior-reviewer-style PR comments), observability-driven debugging across logs, traces, and metrics, codebase-wide refactors, and more, built per project.

## WORK EXPERIENCE

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### Backend Developer & DevOps

Jan 2024 – Present

*Freelancing*

*Remote*

- Leveraged Node.js and its ecosystem to develop robust RESTful APIs and backend services tailored to specific client needs and business logic.
- Delivered AI-assisted legacy modernization for client codebases – framework upgrades, runtime moves, and cross-stack ports shipped with parallel AI coding agents on the slow work; architecture and final review stayed mine.
- Built custom automation by integrating AI-powered APIs for text processing, data enrichment, and intelligent routing.
- Enhanced platform performance and reliability by integrating AWS CloudFront, Redis, Sentry, and CloudWatch.
- Dockerized services and managed 20+ servers on AWS and DigitalOcean, ensuring high availability.
- Built a high-volume PDF generation service on AWS Lambda using Puppeteer, producing large, data-driven PDFs from aggregated client sources.
- Utilized the Cloudflare platform extensively (DNS, CDN, WAF, Workers, KV, Pages, etc.) to implement serverless solutions, enhance application security, and improve global content delivery for various client projects.

### Backend Engineer

Sep 2025 – Jun 2026

*Ayris Global (Part-Time)*

*Remote*

- Built the virtual card provisioning backend for Assure PAT – test cards issued in under 30 seconds with 1,000+ reuses and automatic inventory return on test completion.
- Integrated AWS KMS with a zero-knowledge design so testers never access raw PAN or CVV; encryption enforced across all card lifecycle events and sensitive data flows.

- Implemented comprehensive audit logging across card events, provisioning actions, and transactions, achieving full audit coverage for compliance, traceability, and certification workflows.
- Architected the shared card access backend for Ayris Pay, letting cardholders distribute spending access to family or team members while keeping primary card credentials fully isolated.
- Implemented data residency and localization controls so transaction processing adhered to regional regulatory requirements across target markets.

## Backend Developer

Ananta Security Lab

Jan 2024 – Feb 2025

Gujarat, India

- Maintained and scaled a high-traffic, on-demand food delivery platform as a key resource.
- Conducted security audits and compliance assessments for multiple client organizations.
- Developed a real-time attendance system utilizing high-speed face recognition to track personnel and generate automated analytics on presence, punctuality, and historical trends.
- Engineered an end-to-end computer vision pipeline to automatically recognize and extract digital meter readings from images, leveraging a custom-trained OCR model to automate data collection.
- Developed various Proof-of-Concepts (POCs) for integrating emerging AI technologies into the existing product ecosystem, emphasizing fast iteration and delivery.

## Backend Developer

Rbian Infotech

Jan 2022 – Dec 2023

Gujarat, India

- Engineered scalable backend solutions for high-traffic cloud environments using Node.js, TypeScript, MongoDB, and PostgreSQL.
- Provisioned and managed core AWS infrastructure, including EC2, Load Balancers, VPC, RDS, and S3.
- Built a Git-based documentation system to streamline collaboration and reduce new-engineer onboarding time.
- Migrated a legacy ES5 codebase to TypeScript and implemented Jest tests, improving code maintainability and development speed.
- Implemented and troubleshoot CI/CD pipelines with integrated code review systems to automate deployments.
- Standardized dev environments across the team via Docker and devcontainers; enforced code quality with ESLint and Prettier.

## EDUCATION

### Atmiya University

Bachelor Of Science in Information Tech

Gujarat, India

2019 – 2022

## TECHNICAL SKILLS

**Technologies:** Golang, TypeScript, Python, Node.js, Deno, Git, Linux, AWS, GCP, Docker, MongoDB, PostgreSQL, MySQL, Redis, Websockets, Socket.io, CI/CD, GitHub Actions, AI/ML API Integration

**Interests:** Information Security, Cloud Computing, DevOps, Serverless, Distributed Systems, Open Source