Software Engineer
LinkedIn

RUTWIK PATEL

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Software Engineer with 5+ years of experience building scalable backend systems and cloud infrastructure in fast-paced startup environments. Proven ability to take products from 0-to-1 and scale to thousands of users. Strong experience in Node.js, Python, AWS. Actively seeking a long-term, backend-focused role where I can grow for 2–3+ years and contribute meaningfully to engineering culture and product depth.

Note:- Might explain resume better in Hindi :P

Skills

- **Languages**: Golang, NodeJS, Javascript/Typescript, Python
- **Frame ork** Express, Django
- **Database**: ostgreSQL, MongoDB
- **Cloud De Ops**: AWS (EC2, Lambda, Fargate, CodePipeline, S3, CloudWatch), Docker
- **Other** Data Structures & Algorithms (DSA), WebSockets, LangChain, CI/CD, Problem Solving

MTS	ColorTokens	June 2025 - Now

- Developed and maintained NG-Backend service, including the implementation of a Tenant Purge Lifecycle feature. Go(Golang)

SDE	GeoServe	October	June

- Integrated Microsoft OAuth 2.0 SSO across internal products (GeoStem, GeoPerform, GeoConnect, GeoNext).
- Worked on three separate repositories—DB Sync, GeoOne API, and Voyage Optimisation API—building APIs based on Figma design specifications.

SDE	Pulse Energy	August	September

- Designed and implemented a payment settlement module to automate T+3 settlements from user to charge point owners bank accounts.
- Developed Paybox APIs to enable UPI and FASTag-based EV charging payments.
- Built and owned an AI-powered chatbot backend for EV users using LangChain and OpenAI APIs, handling real-time diagnostics, route planning, and error resolutions. Managed AWS infra with blue/green deployments using AWS CodeDeploy/CodePipeline. Deployed Node.js services using PM2 for robust process management.

SDE SDE	Masai	September	Jul

- Architected and Owned backend of Online Judge platform, supporting ~3000 users and 100+ concurrent code evaluations. Reduced infrastructure cost by 70% using EC2 spot instances and custom auto-scaling based upon current running submissions and number of cores running.
- Created a custom scaling algorithm for contest load handling and also added a custom contest feature which cut contest creation time by 25%.
- Built an adaptive Admission Test system with real-time code editor sync (via WebSockets), CI/CD, and proctoring features.
- Integrated Whisper for video transcription (~1500/day) and automated evaluation with ChatGPT API.
- Led DSA problem design, mock interviews, and assessment contests across multiple cohorts.

SDE Intern	Amazon	Jan	Jul

- Developed "Abhaya" file scanning service on ECS Fargate with auto-scaling and ticket-based alerting system.
- Provisioned infrastructure using AWS CDK & CloudFormation; worked with Java, Guice, and AWS SDKs.
- **Tools**: SQS, Lambda, Step Functions, API Gateway, CloudWatch, VPC endpoints, DynamoDB.

ACADEMIC BACKGROUND

Ahmedabad India	Institute of Technolog Nirma Uni ersit	Jul	Ma

- B.Tech. in Information Technology. CGPA: 7.3/10
- Main coursework: Data Structures, Algorithms, Object-Oriented Programming, Database Management System
- Participated in ICPC Asia Regional 2018; Team ranked top 103 in India