

# SARVESVARA RAMAR

Chennai, India | Open to Relocation & Remote

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## BACKEND / PRODUCT ENGINEER

APIs • System Design • AWS • Production Ownership

### PROFESSIONAL SUMMARY

Backend-focused engineer with 2+ years of experience designing, building, deploying, and operating production systems end-to-end. Strong in Django-based architecture, REST APIs, cloud infrastructure, data modeling, automation pipelines, and third-party integrations. Experienced in AI-assisted workflows (LLMs, RAG), web scraping, system monitoring, and client-facing delivery. Known for owning entire projects independently—from requirements and architecture to deployment, production support, and optimization.

### TECHNICAL SKILLS

<b>Backend &amp; Architecture:</b>	Django, Flask, REST APIs, System Design, Authentication (JWT, SSO), API Security
<b>Databases:</b>	PostgreSQL, MySQL, Neo4j, AWS Neptune
<b>Data &amp; Scraping:</b>	Selenium, BeautifulSoup, data pipelines, normalization, large-scale ingestion
<b>Integrations:</b>	Twilio, SendGrid, Google Maps, ChatGPT, PDL, InstaDB
<b>Frontend:</b>	React, JavaScript, jQuery, AJAX
<b>Cloud &amp; DevOps:</b>	AWS (EC2, S3, Lambda, Route 53, CloudWatch, Bedrock), Nginx, uWSGI, Docker (basic), Linux, CI/CD, Systemd
<b>AI &amp; Automation:</b>	LLM integration (Claude, ChatGPT, AWS Bedrock), Retrieval-Augmented Generation (RAG), AI-assisted coding, workflow automation
<b>Other:</b>	Git/GitHub, API testing (Postman, Swagger), system monitoring (psutil), server security
<b>Strengths:</b>	End-to-end ownership, client communication, production reliability, problem solving

### Software Engineer (Backend / Product)

NEWPRODATA – Employment Platform | Feb 2024 – Present

#### Project Ownership & Architecture

- Owned backend systems end-to-end: API design, database architecture, authentication, integrations, deployment, monitoring, and ongoing maintenance.
- Acted as the primary technical owner, responsible for delivery quality, system stability, and production support across parallel projects.

## Cloud, Infrastructure & Performance

- Designed and deployed Django applications on AWS (EC2, S3, Lambda, Route 53, CloudWatch) with Nginx + uWSGI for production.
- Optimized relational (MySQL, PostgreSQL) and graph databases (Neo4j, AWS Neptune) through schema design, indexing, and query tuning.
- Implemented system monitoring using psutil and built custom admin dashboards for usage analytics and system health.

## Automation, Scraping & Data Pipelines

- Built automated web-scraping pipelines using Selenium and BeautifulSoup to collect, clean, normalize, and integrate large datasets.
- Implemented batch processing, background jobs, and validation workflows for high-volume data ingestion.

## AI & Intelligent Workflows

- Integrated LLM-based features (Claude, ChatGPT, AWS Bedrock) for automation, content generation, data enrichment, and decision support.
- Implemented Retrieval-Augmented Generation (RAG) pipelines using vector search for intelligent information retrieval.
- Used AI-assisted development to accelerate delivery while retaining full control over architecture, logic, and production behavior.

## Integrations & Product Delivery

- Integrated external services (SendGrid, Twilio, Google Maps, ChatGPT, PDL, InstaDB) to enable notifications, geolocation, verification, and AI-powered workflows.
- Served as the technical point of contact: gathered requirements, translated business needs into system design, delivered features, and resolved production issues.

## Security & DevOps

- Implemented JWT authentication, SSO, and One-Tap Login.
- Configured CORS policies, managed Linux servers via SSH, handled DNS (Route 53), maintained Git workflows, and supported CI/CD pipelines.

## Impact

- Delivered multiple production systems with minimal supervision, owning architecture, deployment, and long-term maintenance.
- Reduced manual operations through automation and AI-driven processes.
- Maintained uptime and resolved live production issues independently.

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## KEY PROJECTS

**Data Automation & API Platform:** Designed and built a Django-based backend integrating scraping pipelines, cloud storage, verification services, and REST APIs. Owned system architecture, deployment, monitoring, and post-launch maintenance.

**AI-Driven Workflow Engine:** Designed and built a Django-based backend integrating scraping pipelines, cloud storage, verification services, and REST APIs. Owned system architecture, deployment, monitoring, and post-launch maintenance.

**Timepaq – Attendance & Employee Management Platform (Project Lead):** Led the development of a web-based attendance and employee management system with biometric device integration. Owned system design, requirements, and delivery while coordinating a development team. Directed the use of Claude Code for implementation, ensuring quality, scalability, and alignment with architectural standards. Oversaw integrations, deployment, and production readiness without being the primary code contributor.

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## EDUCATION

B.E. – Computer Science and Engineering

PSNACET | 2023 | CGPA: 7.7

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## ADDITIONAL

**Areas of Interest:** Backend Engineering, System Architecture, AI Automation, Cloud Platforms, Scalable Systems

**Volunteer:** Executive Member, Youth Red Cross Club

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I don't just write code — I take responsibility for systems, outcomes, and the people who rely on them.