

Noor Nabi

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Profile

Cloud Engineer and AI-Driven Software Developer with over 4 years of experience building and scaling intelligent, cloud-native applications across AWS, GCP, and Oracle Cloud. Proven track record in designing backend systems, deploying serverless applications, automating infrastructure, and integrating AI capabilities into production workflows. Known for applying modern development practices, optimizing performance, and building developer-friendly architectures using Node.js and Python. A fast-learning, highly collaborative engineer passionate about automation, observability, and intelligent systems.

Education

University of Engineering and Technology, B.Sc. Computer Science Sept 2018 – May 2022

- **Coursework:** Computer Architecture, Comparison of Learning Algorithms, Computational Theory, Computer Networks, Machine Learning, IoT

Experience

Cloud Engineer, Rulrr – Miami, Florida (remote) July 2025 – Present

- Designed and maintained scalable cloud infrastructure using **AWS CDK**, supporting multiple environments across development, staging, and production.
- Built robust **Node.js-based backend services** to support data ingestion, analytics, and automated content workflows.
- Integrated **Generative AI (OpenAI)** into client-facing systems to produce personalized marketing content such as email copy, captions, and advertising hooks.
- Created and maintained secure RESTful APIs using Lambda, API Gateway, and Cognito for user management and automation.
- Developed CI/CD pipelines using **GitHub Actions**, enabling fast, automated, and secure code deployments.
- Collaborated with product, design, and marketing teams to ship user-facing features and internal tooling efficiently.

Backend Engineer, Odea Integrations – (remote) Apr 2025 – Jun 2025

- Developed and maintained backend microservices using **Node.js**, **AWS Lambda**, **API Gateway**, and **PostgreSQL**, improving API response times by **40%**.
- Implemented **modular Lambda Layers** and secure credential management with AWS Secrets Manager.
- Automated CI/CD using **Bitbucket Pipelines**, reducing deployment time from 20 minutes to under 5 minutes.
- Applied Cognito-based **role-based access control (RBAC)** to production Lambda services.
- Participated in DevOps setup, including observability, alerting, and deployment automation.

Backend Engineer, WeUno Technologies – Karachi, Pakistan Feb 2024 – Mar 2025

- Led the backend development of multiple logistics and client-facing platforms using **NestJS** and **Node.js**.
- Designed event-driven and RESTful APIs, integrated with **Amazon SQS**, **Kinesis**, and external third-party APIs.
- Automated infrastructure provisioning using **AWS CloudFormation**, reducing environment setup time by over 70%.
- Implemented strict IAM policies, **VPC scoping**, and secure deployment workflows.
- Hosted frontend apps using **CloudFront + S3** and managed DNS records via **Route53**.

Software Engineer, Icommunix, PVT. LTD – Lahore, Pakistan May 2022 – Feb 2024

- Solely responsible for the backend of **Omni Dashboard**, a real-time analytics platform used in contact centers.
- Created and maintained serverless APIs using **Node.js**, **AWS Lambda**, and **API Gateway** integrated with **DynamoDB** and **RDS**.
- Reduced infrastructure costs by **25%** by replacing expensive **Step Functions** with optimized logic.
- Designed real-time data streaming and contact center integration with **Amazon Connect**.

- Developed and maintained internal dashboards, APIs, and automation tools using **Node.js** and **PHP**.
- Enhanced legacy systems to improve performance and readability under time constraints.
- Supported QA and DevOps with testing, debugging, and build automation processes.

Projects

Flow9.online – Voice Agent Provisioning Platform

- Built backend infrastructure for a **VAPI-style platform** enabling users to create and deploy voice agents.
- Integrated with **telephony APIs** to allow number provisioning, call routing, and real-time session handling.
- Created **Node.js services** for managing flow logic, analytics, call logs, and agent configurations.
- Employed **AWS Lambda + EC2** for deployment; built CI/CD pipelines using **Bitbucket**.
- Used OpenAI and 11Labs to enable voice synthesis and NLP-based routing.

VellumGPT – RAG-Based Chat App for Real Estate

- Developed a RAG-powered assistant for UK real estate professionals.
- Implemented backend using **Node.js** to manage vector search, document parsing, and query handling.
- Built document ingestion pipelines for PDFs and Word docs using embedding + tagging.
- Reduced LLM response latency by **40%** via caching and optimized querying.

VellumGPT – RAG-Based Chat App for Real Estate

- Built and deployed **Node.js + Lambda** backend for displaying real-time and historical agent insights.
- Integrated with **Amazon Connect** and **Omniengage** to capture and stream live contact center data.
- Automated infrastructure provisioning with the **Serverless Framework** and implemented **CloudWatch** monitoring.
- Delivered product to two enterprise clients, maintaining 99.95% uptime.

Technologies

Backend Development:

- **Languages:** Node.js (NestJS, Express, Fastify), Python (Django, FastAPI), PHP
- **API:** REST, Webhooks, Event-driven architectures
- **Patterns:** Microservices, Serverless, Layered Architecture, RBAC

Cloud:

- **AWS:** Lambda, API Gateway, CDK, Cognito, RDS, S3, ECS, EC2, VPC, CloudWatch, Secrets Manager
- **GCP:** Cloud Functions, Firestore, Compute Engine

DevOps & Automation:

- **CI/CD:** GitHub Actions, Bitbucket Pipelines
- **Containers:** Docker
- **IaC:** AWS CDK, CloudFormation
- **Scripting:** Bash, JSON, YAML

AI & Machine Learning Integration:

- **Speech:** 11Labs, Deepgram
- **Telephony:** Amazon Connect, Pipecat, Twilio
- **Workflow:** Prompt engineering, test/code gen with AI

Databases:

- Postgres, MySQL, MongoDB, DynamoDB