

Backend Engineer (Node.js / Express / MongoDB / PostgreSQL)

Location: Islamabad (On-site)

Company: Coded Realities, a U.S.-based engineering lab

About Us

Coded Realities is a U.S.-based software engineering lab building advanced digital systems that merge precision engineering with scalable design. We develop intelligent products and platforms that span web, mobile, and AI-driven systems, with an emphasis on clean architecture and robust backend design.

We're growing our engineering team in **Islamabad** and are looking for experienced **Backend Engineers** who love building fast, secure, and reliable systems while working with a forward-thinking global team.

Role Overview

As a **Backend Engineer** at Coded Realities, you will architect and build backend systems that power complex web and mobile applications. You will be working primarily with **Node.js**, **Express**, **MongoDB**, and **PostgreSQL**, deploying services across modern cloud environments.

This is an **on-site position in Islamabad**, ideal for engineers who enjoy solving challenging technical problems and want to grow into architectural and leadership roles over time.

What You'll Do

- Design and develop scalable backend APIs and microservices using **Node.js** and **Express**
 - Work with databases such as **MongoDB** and **PostgreSQL**
 - Ensure data integrity, performance, and security across distributed systems
 - Write clean, modular, and testable code
 - Manage version control and collaboration using **Git**
 - Containerize and orchestrate services with **Docker** and **Kubernetes**
 - Deploy and maintain applications across **AWS** (required) and other cloud providers like **GCP**, **Azure**, or **Cloudflare**
 - Collaborate with front-end and product teams to deliver complete end-to-end solutions
 - Troubleshoot production issues and optimize performance
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Requirements

- **2–4 years** of professional experience in backend development
(Highly capable self-taught developers with strong project portfolios are welcome to apply)
 - Proficiency in **Node.js**, **Express**, **JavaScript (ES6+)**, and **TypeScript**
 - Strong understanding of **MongoDB** and **PostgreSQL**
 - Experience with **AWS** (EC2, RDS, S3, Lambda, or ECS)
 - Working knowledge of **Git**, **Docker**, and **Kubernetes**
 - Solid understanding of RESTful API design and microservice architecture
 - Experience with authentication and authorization (JWT, OAuth)
 - Strong communication skills in **English**, both written and verbal
 - Clear understanding of deployment pipelines, CI/CD, and environment management
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Nice to Have

- Experience with **GCP**, **Azure**, or **Cloudflare**
 - Familiarity with serverless architectures and message queues (Pub/Sub, SQS, etc.)
 - Understanding of performance monitoring tools and observability stacks (Prometheus, Grafana, CloudWatch)
 - Prior experience integrating AI or ML pipelines (optional but a plus)
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Perks & Growth

- Competitive compensation (based on experience and skill)
 - **Health stipend**
 - **Lunch stipend**
 - **Room for significant growth**, both in skill development and compensation
 - Opportunity to design, own, and scale systems end-to-end
 - Collaborative, high-learning environment with exposure to multiple cloud ecosystems
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Interview Process

We follow a transparent and structured hiring process focused on technical ability, mindset, and collaboration.

1. **Resume Screening**
2. **Remote Technical Interview**
3. **Remote Vibe Check**
4. **In-Person Technical Interview**
5. **In-Person Vibe Check**
6. **Offer and Signing**

Each step is designed to ensure the right fit for both skill and culture.