Sujan Basnet – Full Stack Developer with DevOps Mindset

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Product-oriented Full-stack Developer with over 3+ years of experience building scalable, cloud-native applications with DevOps mindset. Proven expertise in re-architecting monoliths into microservices, optimizing cloud cost and performance, and developing SaaS platforms. Strong in backend development using Django, FastAPI, Golang, Node.js, and cloud technologies such as AWS. Adept at leading both team-based and solo projects from design to deployment.

KEY SKILLS

Full-Stack Web Development | Scalable Backend Development | Cloud-Native Application Design | Microservices & Event-Driven Architecture | DevOps & Infrastructure Automation | Product Focused | Database Design & Management | Containerization & Orchestration

TOOLS & TECHNOLOGIES

Scripting Language: Shell, Python | **Database Management System:** PostgreSQL, MySql, MongoDB, DynamoDB | **Containerization and Orchestration:** Docker, K8s | **DevOps Tools:** AWS, Jenkins, GitHub Actions, Nginx | **Architecture:** Microservice, Event-Driven, Monolithics, Serverless | **Language & Framework:** Python(Django, FastAPI, Flask), Javascript(Node, Express, Next JS, Nest JS), Golang | **Protocols & API:** REST, GraphQl, Websocket, Server-Sent Events(SSE) | **Messaging & Queueing:** AWS SQS, RabbitMQ, BullMQ, Kafka | **Version Control:** Git, GitHub, GitLab | **New Technology:** HTMX, UV(Python Package Manager), Google Analytics(G4), Wix

PROFESSIONAL EXPERIENCE

Full Stack Developer | Yayawar Tech Pvt. Ltd.   Kathmandu, NP| April, 2022 – Present

- Re-architected a large monolithic application into an event-driven microservices system, improving modularity and deployment speed by 70%.
- Decoupled the real-time chat module as part of this transformation, enabling support for 100K+ concurrent users with Redis Pub/Sub and WebSockets.
- Refactored AWS Lambda functions using Golang, reducing cold starts by 40% and cutting cloud costs by ~25%.
- Developed and deployed 10+ full-stack web applications using Django, FastAPI, Flask, Node.js, and Go.
- Designed a multi-tenant SaaS architecture with secure data isolation and dynamic client onboarding within 5 minutes.
- Implemented a dual-database strategy for flexible data handling and data separation.
- Integrated Shopify API for inventory and order synchronization, reducing manual workload by 80%.
- Led a bulk migration of production databases to Amazon RDS, improving reliability and reducing downtime by 30%.

- Set up centralized logging and observability tools (ELK, Prometheus, Grafana), reducing issue resolution time by 50%.
- Built CI/CD pipelines using GitHub Actions to streamline testing and deployment workflows.
- Containerized applications using Docker, configured with Nginx for production readiness and zero-downtime deployments.
- Started as an intern and independently delivered an Order Management System with integrated Authorize.Net payment processing for a freelance client.

KEY PROJECTS EXECUTED

1. **Project: InterviewPro – Automated Interview Platform**

Key Achievement: Built a scalable, distributed platform to automate interviews with question recommendation, speech-to-text transcription (Whisper AI), and answer evaluation using cosine similarity. Enabled real-time audio processing with RabbitMQ, secure user authentication, and robust testing to ensure performance and accuracy.

2. **Project: Bash, Docker-compose, PostgreSQL, and Python Integration**

Key Achievement: Automated the full pipeline for uploading JSON data into a PostgreSQL database containerized with Docker, using a Python script. Designed a Bash script to set up the environment, install dependencies, manage the Docker container lifecycle, and trigger the data ingestion process—streamlining manual setup and reducing environment provisioning time by over 80%.

3. **Project: Payment Integration Backend**

Key Achievement: Integrated Khalti, eSewa, and Stripe payment gateways into a Node.js backend, enabling secure online transactions and seamless handling of webhook callbacks for payment verification and status updates. Streamlined the multi-provider integration process, improving payment reliability and reducing transaction failures by ensuring consistent callback validation.

4. **Project: College Management Backend**

Key Achievement: Developed a scalable college management system backend using Node.js, MySQL, and Prisma ORM, with Redis for caching and email workflows. Implemented event-driven architecture to decouple services, along with JWT-based authentication and role-based access control to ensure secure user management and access restrictions across student, teacher, and admin roles.

EDUCATION

- **BSc.CSIT** |Ambition College| 2025

Reference

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