

Anil Akheli

Software Engineer

Results-oriented Software Engineer with a background in software development, AWS architecture, and security infrastructure, seeking to leverage my end-to-end development experience to build scalable, secure, and innovative cloud-based solutions.

Education

Bachelor's Degree

Soch College of IT, Pokhara · Tribhuvan University

2016 – 2020 · Bachelor of Science in Computer Science and Information Technology

Final project: Market Basket Analysis

Final year Data Mining project analyzing purchase relationship patterns using association rules and Apriori algorithms. Built with Python, MySQL, and Streamlit.

Certifications

- Core Java Fundamental Training (LABA) — 2 Feb 2022 – 24 Mar 2022

Technical skills

Tools

GitHub, Postman, Swagger, Slack, Jira, Trello, pgAdmin, XAMPP, Adobe XD, Cypress.io, Microsoft Office (Word, PowerPoint, Excel)

Languages

Python (4 yrs), PostgreSQL (4 yrs), Node.js (4 yrs), JavaScript (2 yrs), React (2 yrs), Java (1 yr)

Operating systems

Windows (8.1, 10), Ubuntu

Work experience

Software Engineer — PB Infosys, Kathmandu

February 2025 – Current

- Optimized backend services using Python Django and PostgreSQL, improving API response times by ~30% through asynchronous processing and query optimization.

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Built scalable RESTful APIs for authentication, payments, video streaming subscriptions, order management, content moderation, and product recommendations; deployed on AWS (S3, CloudFront, RDS, SNS/SQS, Lambda).

- Developed content filtering and recommendation systems for safe, personalized, high-performance experiences.
- Led backend engineering: code reviews, mentorship, CI/CD, and cross-team collaboration for high-availability features.

Software Engineer — Omega BPO, Kathmandu

February 2023 – January 2025

- Led and trained a 10-member team; contributed to requirements, architecture, and development for healthcare web applications.
- Implemented robust web apps with strong database design using SQL for efficient data management.
- Managed end-to-end lifecycles from requirements to delivery with high client satisfaction.
- Designed and deployed scalable cloud infrastructure on AWS (EC2, S3, RDS) and Azure (Web Apps, Functions).

Work experience (continued)

Jr. Backend Developer — Blacktech PVT LTD, Pokhara

December 2021 – September 2022

- Developed web applications with Node.js (Express): RESTful APIs with authentication, authorization, and email (Sendinblue).
- Implemented MongoDB models with Mongoose; tested and documented APIs with Postman and Swagger.
- Automated frontend testing with Cypress (BDD), improving coverage and quality.

Internship / Jr. Full Stack Developer — Aakar E-Solution, Pokhara

February 2021 – November 2021

- Enterprise and web application development: architecture, design, development, and maintenance.
- React.js + Redux-saga UI; Node.js (Express) REST APIs; Sequelize ORM for relational data.
- Git branching/tagging strategies; JIRA for issue tracking.

Projects

Clipsi — Social media e-commerce

10 months (ongoing) · Team 9 · Team Lead (Software Engineer)

Python, Django, Next.js, PostgreSQL, Docker, AWS (S3, CodePipeline, CloudFront, EC2, RDS, Lambda)

Social media e-commerce combining content sharing, video streaming subscriptions, and shopping. Features include authentication, feeds, orders, payments, recommendations, moderation, and personalized experiences.

LearnWithKEDC — Kantipur Education Development Council

8 months · Team 7 · Team Lead (Full Stack Engineer)

Python, Django, Next.js, PostgreSQL, Docker, AWS

Educational platform for students and educators with learning materials, interactive tools, and resources across subjects.

HTRCare — Omega BPO — Healthcare

14 months · Team 15 · Team Lead (Full Stack Engineer)

Python, Next.js, PostgreSQL, Docker, AWS

UK healthcare platform for patient management, EHR, and clinical workflows; NHS and GDPR-oriented design.

Visceral Fit — Omega BPO — Fitness

6 months · Team 4 · Backend Developer

Python, Flutter, PostgreSQL, Docker, Azure

Workout and meal recommendations from user data; API development, schema design, and Azure deployment.

Booklifter — Blacktech — E-Commerce

6 months · Team 4 · Backend Developer

Node.js, React.js, MongoDB, AWS

Online library management with React, Node.js, and MongoDB; API documentation, testing, and efficient data access.