

Ayush Pandey

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Summary

- Designed and deployed a multi-cloud serverless microservice architecture achieving 99.9% uptime and handling up to 10K requests per second.
- Optimized AWS Lambda functions and integrated CI/CD pipelines, reducing deployment time by 90%.
- Engineered an AI-powered resume optimization tool, improving user engagement with a 99% cache hit rate.
- Achieved zero infra cost for hosting using AWS Free Tier and Cloudflare services.

Education

Bachelor of Technology in Computer Science & Engineering

• VIT-AP University, Amaravati, India | CGPA 8.55 | June 2022 - August 2026

Skills

Languages

- C++
- Java
- TypeScript
- Python

Frameworks

- Next.js
- Django
- Flask
- Express.js
- Tailwind CSS

Cloud/DevOps

- AWS (Lambda, API Gateway, EC2, Cognito, SNS, Secrets Manager)
- Docker
- Kubernetes
- GitHub Actions

Tools

- Git
- Postman
- OpenAI API
- NLTK
- ESLint

Relevant Technologies

- Terraform
- CloudWatch
- VPC design
- IAM policies

Work History

Founder & Solo Developer – VersionCV.com

- June 2024 – Present
- Developed an AI-powered resume management SaaS with a fully decoupled infrastructure using AWS Lambda and Cloudflare Workers.
- Implemented a data storage strategy using Cloudflare D1 and KV Store, achieving a 99%+ cache hit ratio.
- Integrated Google Firebase Auth for secure access, reducing authentication latency to 1ms.
- Achieved a cost reduction to ₹ 900/year by leveraging zero-cost tiers across multiple cloud platforms.

Subject Matter Expert (CS) – Chegg India Pvt. Ltd.

- April 2023 - March 2024
- Resolved over 100 complex problems in DSA and DBMS, receiving 90%+ positive feedback.
- Enhanced code efficiency for students through detailed algorithmic explanations.

Projects

SonarGuard (Web + IoT)

- Reduced fake sign-ups by 70% using AWS Cognito OTP and JWT.
- Triggered real-time alerts via Radar Sensor and EmailJS, ensuring timely notifications.

Atithidev DB API (Serverless)

- Reduced cold starts by 92% and package size by 76% through dependency pruning.
- Accelerated CI/CD pipeline deployments by 90%, achieving zero infra cost using AWS Free Tier.

Sentiment Analyzer API (NLP)

- Achieved 90%+ accuracy using NLTK VADER, optimizing Lambda size by 92%.
- Implemented a production-grade serverless pipeline with CI/CD, Pytest, and GitHub Actions.

Certifications

- CISCO Networking Essentials
- DevOps Fundamentals - IBM Skills Network
- Professional Certification in Java Programming
- AWS Academy Graduate – Cloud Architecting
- AWS Academy Graduate – Cloud Foundation
- C for Everyone: Programming Fundamentals (Coursera)
- IBM Full Stack Software Developer Professional Certification