Ayush Sharma

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Summary

Aspiring **Software Development Engineer skilled in building scalable backend systems using Node.js, REST APIs, and AWS.** Experience in designing cloud-native applications, CI/CD pipelines, and containerized deployments using Docker and Jenkins. Strong foundation in data structures, algorithms, and system design. Currently learning Go to deepen backend systems expertise.

Education

Pranveer Singh Institute of Technology *(Affiliated to Dr. A.P.J. Abdul Kalam Technical University - AKTU)*   2022–2026
Bachelor's Degree in Computer Science Engineering | CGPA: 8.33   Kanpur, India

Skills

- **Languages:** C++, Java (Basics), Python (Intermediate), JavaScript, Go
- **Full Stack Development:** HTML, CSS, React.js, Next.js, Node.js, REST APIs
- **Databases:** PostgreSQL, MongoDB, MySQL, Redis, AWS S3
- **DevOps & tools:** Docker, Jenkins, CI/CD, RabbitMQ, Kubernetes, Git, GitHub, Postman, VS Code, Linux
- **CS Fundamentals:** Data Structures & Algorithms, OOP, Operating Systems, DBMS, Networks

Experience

Full Stack Developer Intern — NeuSort (Remote, 2-Month Technical Internship)   Apr 2025 – Jun 2025
- Built scalable EvalAI workflows using Node.js and RabbitMQ, improving task throughput by 30%.
- Reduced Docker image size 15% with multi-stage builds, boosting CI/CD speed and efficiency.
- Improved async task handling via message queues, reducing system latency and failure rates.

Software Engineer Intern — Dtodstint (Remote, 3-Month Technical Internship)   Dec 2024 – Mar 2025
- Designed **Jenkins**-based **CI/CD** pipelines with **Docker**, reducing deployment time by 50%
- Refactored backend **APIs** and DB schema to improve scalability and reduce bounce rate by 20%
- Implemented secure **JWT** auth with **RBAC**, encrypting API calls for production use

Projects

LogAid – Open-Source AI CLI Assistant (GitHub)   Jun 2025 – Present
- Designed a **Go**-based CLI that uses Gemini **AI** to detect shell command errors and suggest real-time fixes
- Designed **plugin** system supporting tools like apt, pip, docker, and npm for modular command handling
- Actively testing locally and improving robustness, security, and community contribution support

Auto-Ship – Custom CI/CD Automation Tool (GitHub)   May 2025 – July 2025
- Built a custom **Go**-based CI/CD pipeline for **GitHub** repos, cutting manual deployment effort by 80%.
- Achieved 99% uptime by deploying secure static sites to AWS S3 through an automated **pipeline**.
- Implemented JWT-based auth using Fiber, reducing unauthorized access attempts by 40%.

BinIT – Waste Management & Sustainability Platform (GitHub | Live)   Jan 2025 – Mar 2025
- Ensured 99.99% uptime by offloading image uploads to **AWS S3**, improving scalability and fault tolerance.
- Optimized a high-availability backend with indexing and caching, reducing data latency by 30%.
- Implemented an **AI**-powered chatbot to automate FAQs and reduce support load by 50%.

Weather App – DevOps-Focused Deployment Project (GitHub | Docker Image | Live)   Apr 2025 – Apr 2025
- Built a Jenkins CI/CD pipeline to automate builds and deployments, reducing EC2 setup time by 10%.
- Dockerized the frontend app to ensure consistent deployments across development and production.
- Integrated GitHub Webhooks for auto-triggered Docker builds, ensuring 100% release consistency.

Certificates

- AWS Cloud Practitioner CLF-02 – Amazon Web Services (AWS)   Aug 2025 – Aug 2028
- DevOps Professional Certificate - PagerDuty   Apr 2025
- Docker Foundations Professional Certificate - Docker   Mar 2025

Achievements

- Achieved 2100+ rating on Leetcode Guardian (ayush-018)
- CodeForces Rating 1200+ Pupil (ayush018)
- CodeChef Rating 1600+ 3 Star (ayush_980)

Extracurricular Activities

NCC Cadet, UP 55 BN NCC   Jan 2023 – Feb 2025
- Led outreach programs benefiting 500+ individuals