

# AAYUSH SHARMA

Associate Software Engineer | Full-Stack Developer

Gurugram, Haryana, India | +91 93510 44351 | sharmaaayush2310@gmail.com | linkedin.com/in/aayush-sharma-0477502a1 | github.com/Aayush000

## Professional Summary

Full-Stack Developer skilled in building scalable, cloud-native applications using React.js, Node.js, Rust, and AWS. Reduced deployment times by 40% and improved system performance by 30%+. Expert in microservices, DevOps, and AI-driven solutions, passionate about high-impact, user-focused systems. Seeking opportunities in Bengaluru, Hyderabad, or Pune.

## Technical Skills

- Frontend:** React.js, React Native, HTML, CSS, Bootstrap, Tailwind CSS, Redux
- Backend:** Node.js, Express.js, NestJS, Rust, Python, FastAPI, Warp
- Databases:** PostgreSQL, MongoDB, Redis, Firebase
- Cloud & DevOps:** Docker, Docker Compose, Git, CI/CD
- Languages:** JavaScript, Python, Java, Rust, C/C++
- Concepts:** Microservices, REST APIs, Scalability, Unit Testing, Agile, OOP, DSA, LLM, WebAssembly
- Tools:** Figma, Keycloak, OpenSearragon, Gmail SMTP

## Work Experience

### Software Engineer Intern – SauPy Software Systems (OPC) Pvt Ltd, Remote

Jan 2025 – Present

- Built a scalable image-sharing platform with React.js, Node.js, PostgreSQL, and AWS (EC2/S3), cutting deployment time by 40% using Docker.
- Integrated Keycloak for OAuth2 authentication and OpenSearragon for deep-zoom rendering, achieving 500+ uploads/day with 99% uptime.
- Enhanced multi-tenant support with Rust and FastAPI, boosting user capacity by 50% and response time by 30%.
- Tech:** React.js, Node.js, PostgreSQL, Docker, AWS, Rust, FastAPI

### Freelance Developer – MarketingBirbal, Remote

Dec 2024 – Present

- Developed an AI-powered marketing website with React.js, Node.js, and PostgreSQL, reducing manual effort by 30%.
- Designed a custom chatbot and admin interface with CTA flows and lead automation, enhancing digital presence.
- Optimized SEO and performance for a responsive platform deployed with Docker.
- Tech:** React.js, Node.js, PostgreSQL, Express, Docker, Tailwind CSS, Figma, Python

### Cloud Solutions Architect (Simulation) – Forge, Remote

Dec 2024

- Designed a cost-effective AWS Elastic Beanstalk architecture, reducing downtime by 25% and optimizing scalability.
- Balanced performance and budget for reliable simulated workloads.
- Tech:** AWS Elastic Beanstalk, Cloud Architecture

### Frontend Developer Intern – AICTE & IBM SkillsBuild, Remote

Jun 2023 – Jul 2023

- Developed a Netflix-inspired frontend with React.js and Bootstrap, serving 1,000+ users with 20% faster load times via Redux and lazy loading.
- Improved retention by 15% through optimized UI/UX and API integrations.
- Tech:** React.js, Bootstrap, Redux, APIs

### Android Developer Intern – Internshala, Remote

Jul 2022 – Sep 2022

- Built two Android apps (Food Runner, Music Player) using Kotlin with real-time tracking and customizable themes.
- Achieved 100+ downloads during testing with positive user feedback.
- Tech:** Kotlin, Android Development

## Projects

### AI-Powered Marketing Website – MarketingBirbal [View Project](#)

Jan 2025 – Mar 2025

- Delivered a production-grade full-stack website for an AI-based marketing startup, managing wireframing, design, development, and deployment.

- Implemented smart CTA flows, lead automation, and a custom chatbot with admin interface, cutting manual effort by 30%.
- Optimized SEO and performance for a responsive, scalable platform using Docker.
- **Tech:** React.js, Node.js, PostgreSQL, Express, Docker, Tailwind CSS, Figma, AI Automation

**DZI Viewer – Deep Zoom Image Generator and Viewer** [View Project](#)

Jan 2025 – Feb 2025

- Built a containerized app with React.js, Node.js, and PostgreSQL, handling 1,000+ deep-zoom image renders at 200+ requests/hour.
- Integrated Gmail SMTP for notifications and optimized database connectivity, achieving 95% delivery success and 99% uptime.
- Resolved Docker and client-side issues for platform-independent deployment.
- **Tech:** React.js, Node.js, PostgreSQL, Docker, Python, AWS Elastic Beanstalk

**TheLoyalGame Chatbot – Loyalty-Based Discount System** [View Project](#)

Feb 2025 – Mar 2025

- Engineered a full-stack chatbot with Rust, Warp, and WebAssembly, processing 200+ transactions with 99% accuracy via Redis.
- Developed RESTful APIs and a JavaScript frontend, boosting engagement by 15%.
- Overcame Rust module issues and deployed locally with Cargo for reliability.
- **Tech:** Rust, WebAssembly, Redis, JavaScript, HTML, CSS

---

**Education**

**B.Tech. in Computer Science & Engineering (CGPA: 9.01, Top 5%)**

Swami Keshvanand Institute of Technology, Jaipur, Rajasthan

Dec 2020 – Jun 2024

- Relevant coursework: Data Structures, Algorithms, Cloud Computing, Operating Systems

**High School, PCM-IP**

Warren Academy

Apr 2019 – May 2020

---

**Certifications**

- AWS APAC Solutions Architecture Virtual Experience – Forage | Dec 2024
- Career Essentials in Generative AI – Microsoft and LinkedIn | 2024
- Android App Development – Internshala | 2022
- The Complete 2023 Web Development Bootcamp – Udemy | 2023
- What Is Generative AI? – LinkedIn Learning | 2024
- Front-End Development – Internshala | 2023