

AKASH LOHAR

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Relocation Preference	Bengaluru, Kolkata, Hyderabad, Pune

PERSONAL PROFILE

B.Tech Computer Science graduate (2025) with nearly 2 years of experience as a Founding Software Engineer. Specialized in full-stack engineering, DevOps, and systems programming, with a deep interest in low-level systems, real-time rendering and game engine development.

PROFESSIONAL EXPERIENCE

Founding Software Engineer | Lelo.Rent, Bengaluru (Aug 2024 – Dec 2025)

- **Architecture:** Engineered a core microservices architecture on GCP Cloud Run using Node.js, Express, and Next.js.
 - **Scalability:** Scaled platform infrastructure from 0 to 100K users by optimizing infrastructure and backend logic.
 - **DevOps:** Designed CI/CD pipelines via GitHub Actions and Google Cloud Build to automate deployments and monitoring.
 - **Testing:** Enhanced system reliability through implementing comprehensive Jest and Cypress test suites.
 - **Leadership:** Directed engineering sprints, mentored junior developers, and integrated critical payment and analytics services.
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TECHNICAL PROJECTS

- **Firefly OS:** Developed a bare-metal OS kernel in Rust featuring memory management and a custom testing framework.
 - **C Interpreter (CREPL):** Engineered a Rust-based interpreter for lexing and AST generation, earning 1st prize at an inter-college competition.
 - **Pocket Shield:** Created a secure MFA authenticator using Go and Kotlin with cryptographic key matching.
 - **Rescue Bharat:** Developed real-time disaster alert system and inventory management system for rescue agencies to ease disaster mitigation.
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TECHNICAL SKILLS

Languages: Rust, C++, C, Go, Zig, TypeScript, Python, Kotlin, Java, Assembly.

Frameworks: Next.js, React, Node.js, Spring Boot, Flask, Tailwind CSS.

Tools/Cloud: GCP, Docker, Kubernetes, Terraform, GitHub Actions, Nginx.

Databases: PostgreSQL, MongoDB, Firebase, TigerGraph.

SOFT SKILLS

Fluent in English, Hindi, Bengali

EDUCATION

B.Tech in Computer Science & Engineering | Techno International Batanagar (2025) | CGPA: 8.3/10