Praveen Korukonda

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Education

Indian Institute of Technology Roorkee – Bachelor of Technology   Nov 2021 – May 2025

Skills

Languages: Golang, Java, C/C++, Python, JavaScript, SQL
Technologies: Git, Docker, AWS, Spring Boot, REST APIs, CI/CD, React, MySQL, PostgreSQL, Linux
CS Fundamentals: System Design, Data Structures, Algorithms, Objected Oriented Programming

Experience

Software Engineering Intern, Planto AI   Sept 2025 – Dec 2025
- Built an incident management system using microservices architecture with Go and PostgreSQL database
- Designed 15+ REST APIs with unit tests across 4 services to manage end-to-end incident lifecycles
- Reduced Mean Time to Acknowledge (MTTA) by 27% through automated, real-time Slack alerts
- Set up background cron jobs for automated incident assignment and send frequent reminders
- Built an invoice generation service in Go to create dynamic PDF invoices, achieving 55 ms average latency
- Developed secure REST APIs and integrated PostgreSQL for storing and retrieving PDF invoices

Software Engineering Intern, CodingPro   June 2025 – Aug 2025
- Built an end-to-end secure job portal application using Spring Boot, Thymeleaf and MySQL database
- Containerized the application using Docker and deployed it to AWS Elastic Beanstalk with RDS for storage
- Implemented role-based authentication with Spring Security to secure both candidate and recruiter profiles
- Developed e2e recruitment workflows, profile management, job application tracking, and resume uploads

Projects

torrent-x   praveenk.dev/torrent-x
- Created a BitTorrent client in Java that allows downloads using a single-file torrent or magnet links
- Implemented p2p protocol with tracker communication, piece verification, and metadata exchange

caching-proxy   praveenk.dev/caching
- Built a caching reverse proxy command-line tool in Go that reduces server hits and request latency
- Developed a thread-safe and concurrent disk-based cache storage system using SHA-256 hashing

uptime-monitor   praveenk.dev/uptime
- Built an automated uptime monitoring system in Go that continuously monitors the uptime of websites
- Integrated Slack webhook notifications via pub/sub pipeline to deliver automatic real-time downtime alerts

mini-redis   praveenk.dev/mini-redis
- Developed an in-memory Redis-style server and a CLI client in Go that supports core Redis commands
- Implemented thread-safe storage for strings (with expiry), lists (with blocking operations), and sorted sets
- Supports multiple concurrent clients and loads an existing RDB file at startup for basic persistence

git-lite   praveenk.dev/git-lite
- Created a Git client in Java that clones Github repositories using Git's Smart HTTP, which is simple and fast

go-lb   praveenk.dev/go-lb
- Designed a load balancer in Go that supports concurrent request handling and active/passive health checks