

PRADEEP KUMAR

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Software Engineer — building tools and systems that developers use every day.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Golang

Frontend: React.js, Next.js, HTML CSS

Mobile: React Native

Backend: Node.js, Django, Fiber, Golang net/http, REST APIs

Databases: SQL(PostgreSQL), NoSQL(MongoDB), Redis

Cloud & DevOps: AWS (EC2, S3, etc...), Docker, NGINX, CI/CD

Developer Tools: Git, GitHub Actions, Linux, VS Code, etc...

System Design: Learning about Scalability, API Design, Caching, Microservices , etc...

EXPERIENCE

Full Stack Developer

May 2025 – Present

Docxster

Full-time

- optimizing backend services using Node.js, improving API response times and database query efficiency.
- Working with CI/CD pipelines , Observability and deployment infrastructure.

Full Stack Developer Intern

Nov 2024 – Apr 2025

Docxster

Internship

- Built and shipped production features across the full stack.
- Integrated Tally API into our system for automation usage
- Fixed critical UI/UX issues and improving overall application stability and user experience.

PROJECTS

Openfile.in | *Bun.js, TypeScript, AES-256 Encryption, CloudFlare R2, Subpase (postgres) Encrypted File Sharing*

- Designed and built a secure, end-to-end encrypted file receiving and sharing platform that allows users to generate unique shareable links and receive files from anonymous users.
- Implemented AES-256 encryption for all file transfers, ensuring that files are encrypted before leaving the browser, where even the server cannot read file contents.
- Engineered a link-expiry and one-time-use token system to enforce time-bound and single-use file sharing, reducing unauthorized access risks after delivery.
- Deployed on AWS with R2 for scalable file storage Supabase as Postgres Provider.

Diesel.js | *TypeScript, Bun.js, Trie Data Structure, JWT*

Minimalistic Web Framework

- Built a lightweight feature rich web framework for Bun.js from scratch with an Express.js/Hono.js-inspired API, enabling developers to build fast HTTP servers with minimal boilerplate.
- Implemented a Trie-based router for route matching, supporting dynamic path parameters, wildcard routes, and middleware chaining at the route and global level.
- Added built-in security middleware including rate limiting, CORS handling, and request validation, along with native JWT authentication utilities for stateless auth flows.
- Added Hooks system for lifecycle-based request/response interception, allowing clean separation of concerns across authentication, logging, and error handling.

nanoServe | *Golang, Trie Router, Middleware, net/http*

Lightweight HTTP Router in Go

- Built a minimal, high-performance HTTP router in Go from scratch
- Implemented a trie based HTTP router that supports all standard HTTP methods, dynamic route parameters, wildcard, etc...
- Implemented global and path scoped middleware support in the router.

PingFile | *Golang, Kobra CLI, YAML, JSON*

File config based API request tool

- Developed a developer-focused command-line tool that reads and executes API requests from configuration files, supporting JSON, YAML, and custom PKFILE formats.
- Implemented Multi threading support to execute multiple APIs in parallel.

DevTube | *Node.js, FastAPI, Golang Fiber, Docker, Microservices* *Microservices-Based YT like Platform*

- Architected and built a scalable video sharing platform using a microservices design, decomposing the system into independent services for authentication, email notifications, and video processing.
- Developed the Auth Service in Node.js with JWT-based stateless authentication; built the Email Service in FastAPI with async task queuing; implemented the Video Upload Service in Golang using the Fiber framework.
- Containerized all services with Docker and orchestrated them using Docker Compose, enabling consistent local development environments and straightforward production deployments.