

Prashant Bhardwaj

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Technical Skills

- **Programming Languages:** TypeScript, JavaScript, Golang, Python, Ruby, Elixir, SQL, Lua
- **Frontend Development:** React, Next.js, Tailwind CSS, Fabric.js, React Native, Astro, ShadcnUI
- **Backend Development:** Node.js, Express, Nest.js, Hono.js, Ruby on Rails, FastAPI, Moleculer
- **Database Management:** PostgreSQL, MongoDB, Redis, Elasticsearch, Drizzle ORM
- **DevOps & Cloud:** Docker, Kubernetes, CI/CD, GitHub Actions, AWS, Cloudflare, Nginx
- **Testing & Development Tools:** Cypress, Jest, Git, Neovim, Kafka, RabbitMQ

Featured Projects

- **Greenlight | Production-Grade API Backend** — *Golang, PostgreSQL, Redis, JWT, Docker, CORS*
 - Engineered a scalable RESTful API using **Golang** with comprehensive error handling, structured logging, and monitoring systems, achieving **95% test coverage** and enabling real-time performance analysis.
 - Implemented robust security with **JWT** authentication, role-based access controls, and request rate-limiting for DDoS protection. Containerized with **Docker** to ensure consistent deployment across development and production environments.
- **Artify | Modern Design Platform** — *Next.js, Fabric.js, Hono.js, Serverless PostgreSQL, Shadcn, UploadThing*
 - Developed an interactive design tool with optimized component architecture and state management, achieving **40% performance improvement** in render times. Designed scalable backend infrastructure using **Hono.js** and **Serverless PostgreSQL**.
 - Implemented secure OAuth authentication with **Auth.js** and optimized database operations with **Drizzle ORM**, resulting in zero security incidents. Created accessible user interface with **Shadcn UI** components for seamless user experience.
- **Cube | Microservices Orchestration System** — *Golang, Chi, BoltDB, Docker SDK, Goprocinfo*
 - Architected a lightweight container orchestration platform automating service discovery, load balancing, and distributed task execution with dynamic resource allocation across multiple nodes.
 - Designed event-driven architecture utilizing **BoltDB** for reliable persistence and **Docker SDK** for container lifecycle management. Integrated real-time monitoring with **Goprocinfo**, featuring automated failure detection and recovery mechanisms.
- **RailsGram | Full-Stack Social Platform** — *Ruby on Rails, SQLite, Solid Queue, Docker, Full-Text Search*
 - Built a comprehensive social platform using **Ruby on Rails** featuring real-time notifications, full-text search, JSON indexing, virtual columns, enumerated types, tagging systems, and SEO-optimized URL structures.
 - Optimized application performance through **Solid Queue** for background processing and **Solid Cache** for data caching. Implemented robust data management with **Litestream** providing automatic backups and disaster recovery capabilities.

Professional Experience

- **Codedamn** July 2024 - August 2024
Software Development Intern
 - Developed comprehensive end-to-end test suites utilizing **Cypress**.
- **Innogeeks Winter Of Code (IWOC 2.0)** January 2024 - February 2024
Open Source Contributor

Education

- **Noida Institute of Engineering and Technology (AKTU)** 2021 - 2025 (Expected)
Bachelor of Technology in Information Technology *Greater Noida, India*