

# Prashant Bhardwaj

✉ prashanttbhardwaj@gmail.com |  GitHub |  LinkedIn |  Portfolio

## Technical Skills

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

## Featured Projects

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### 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, Tailwind, ESbuild, SQLite, Solid Queue, Docker, Full-Text Search*

- Built a comprehensive social platform using Ruby on Rails featuring 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

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- **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

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