

Gururaj J

Frontend Engineer | Developer Platforms

GitHub — LinkedIn — KnotCMS

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Bengaluru, India

SUMMARY

Senior Frontend Engineer with experience building design systems, developer platforms, and production SaaS products. Contributes to IBM Carbon Design System, supporting shared UI infrastructure used across thousands of developers, while independently building KnotCMS, a Cloudflare-based platform for automating CMS synchronization between Notion and Framer. Experienced in frontend architecture, developer tooling, and scalable content platforms.

SKILLS

- **Frontend:** React, Next.js, Angular, TypeScript, JavaScript, HTML5, CSS3
- **Platform & Infrastructure:** Cloudflare Workers, Cloudflare D1, Cloudflare KV, Webhooks, REST APIs, OAuth, GitHub Actions
- **Developer Experience:** Design Systems, Web Components(lit), Storybook, Payload CMS, Monorepos, Performance Optimization
- **Tools:** Git, GitHub, pnpm, npm, TurboRepo, Codecov, Vite

EXPERIENCE

- **IBM India Pvt. Ltd. - India Software Labs** Bengaluru, KA
Frontend Developer, Carbon Design System *February 2024 – Present*
 - **UI Platform:** Developed and maintained shared UI components across React and Web Components for Carbon Design System, supporting 5,000+ developers across product applications and documentation surfaces.
 - **Content Versioning:** Designed and implemented a staged content publishing workflow in Payload CMS, enabling large documentation rewrites to coexist with production hotfixes through version switching, seamless rollout, and instant rollback.
 - **Documentation Platform:** Architected a block-based content system for the new Carbon Design System documentation platform, enabling authors to compose and redesign pages using reusable content primitives without developer involvement.
 - **Performance Engineering:** Improved documentation performance by introducing lazy loading for interactive Storybook demos, reducing initial rendering work while preserving accessibility and preventing disruptive focus changes during page load.
 - **Platform Upgrades:** Shipped a major UI and platform upgrade adopted by 3,400+ implementations within two months while maintaining backward compatibility for enterprise consumers.
 - **Build Reliability:** Prevented cache invalidation regressions affecting approximately 40,000 weekly public NPM consumers by identifying high-risk frontend build changes before release.
 - **Engineering Standards:** Implemented frontend quality gates using Codecov and static analysis across a monorepo, increasing @carbon/react test coverage to 85% while improving contribution quality and release confidence.
 - **Technical Leadership:** Owned frontend decisions across components, build systems, and documentation infrastructure while serving as a primary reviewer for high-impact platform changes.
- **KnotCMS** Remote
Founder & Engineer *June 2026 – Present*
 - **Product Development:** Designed and built KnotCMS, a SaaS platform that automates synchronization between Notion databases and Framer CMS, eliminating manual content updates for production websites.
 - **Architecture:** Built an event-driven serverless architecture on Cloudflare Workers using D1, KV, and asynchronous processing to automate content synchronization and publishing workflows.
 - **Platform Integrations:** Integrated Google OAuth, Notion API, Framer Server API, Dodo Payments, and Polar to automate authentication, provisioning, billing, and content publishing.
 - **Platform Reliability:** Implemented webhook verification, customer-aware rate limiting, Cloudflare observability, and GitHub Actions deployment pipelines for secure and reliable platform operations.

- **Developer Experience:** Designed a self-service dashboard for project provisioning, CMS field mapping, webhook verification, live synchronization monitoring, and configuration management without manual support.
- **End-to-End Ownership:** Owned product architecture, frontend, backend, onboarding, documentation, deployment, pricing, production infrastructure, and public launch from concept to release.

- **WIPRO LIMITED**

Bengaluru, KA

Project Engineer, Cloud Migration and Modernization - Wells Fargo

September 2021 – February 2024

- **Frontend Application Modernization and Component Development:** Led the successful modernization of 5 enterprise applications from WebForms to Angular 14-16, implementing advanced optimization techniques (lazy loading, code splitting) which improved development efficiency through the creation of a reusable component library.
- **Full-Stack Angular Development and Quality Assurance:** Architected and developed responsive web applications using Angular 14-17, TypeScript, and HTML5/CSS, while implementing comprehensive testing with Jasmine/Karma to ensure 100% cross-browser compatibility and accessibility compliance.
- **DevOps Integration and API Architecture:** Streamlined development operations by integrating frontend applications with microservices architecture, implementing secure API integrations, and optimizing CI/CD pipelines, resulting in reduced deployment time and improved workflow efficiency.

EDUCATION

- **PES Institute of Technology and Management**

Shivamogga, Karnataka

Bachelor of Engineering; CGPA: 7.73

Aug. 2017 – Aug. 2021