

SHAILENDRA GUPTA

AI-First Frontend Architect | Angular 18–22 | React & Next.js | Micro Frontends | Design Systems | Performance Engineering

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Pune, India — open to fully remote (global), Pune/India on-site, or relocation with visa sponsorship

PROFESSIONAL SUMMARY

AI-First Frontend Architect with 17+ years of experience leading Angular platform development across large-scale banking, healthcare, insurance, and mortgage domains. Specialized in Angular technical leadership (v2–18 production, with Angular 20–22 active exploration), signals-based reactivity including Angular Signals, scalable SPA and Micro Frontend architecture, metadata-driven UI frameworks, platform-as-a-product mindset for reusable composable systems, WCAG accessibility, and AI-assisted engineering workflows. Proven track record of defining technical direction, mentoring engineers, driving adoption of modern engineering practices, and delivering high-quality features from design through production.

KEY ACHIEVEMENTS

- **Angular Technical Leadership** — Defined frontend architecture direction, established reusable patterns, and led 8–12 engineers across code reviews, design feedback, and release delivery on enterprise platforms.
- **AI-Assisted Engineering** — Led team adoption of AI-driven workflows using GitHub Copilot, GitLab Duo, and Figma MCP Servers, improving engineering productivity by 30–40% while raising code quality and delivery speed.
- **Performance Engineering** — Achieved 20–30% faster application performance through lazy loading, bundle optimization, Angular Signals, and targeted Chrome DevTools profiling.
- **Metadata-Driven UI Framework** — Architected a runtime API-driven, configuration-driven navigation framework rendering 300+ multi-level nav items from backend JSON config with role-based visibility, permission entitlements, and zero-code-deployment nav updates.
- **Reusable UI Systems** — Built enterprise-grade component-based libraries and metadata-driven UI frameworks that reduced feature delivery time by 25–35% across multiple product teams.
- **Angular Modernization** — Modernized 30+ Angular modules to Angular 18 with Signals adoption; actively exploring Angular 20–22 capabilities including zoneless change detection and enhanced control flow.

PROJECTS

Vantage Ops Navigator — Network Operations Dashboard

Stack: Angular 22 · Standalone Components · Signals · Zoneless Change Detection · SSR (@angular/ssr + Express) · Tailwind CSS v4 · SCSS/BEM · ECharts · Vitest

Source: github.com/shailendra-gupta-dev/vantage-ops-navigator

Live Demo: shailendra-gupta-dev.github.io/vantage-ops-navigator/dashboard

- Built a metadata-driven, role-based navigation framework rendering Engineer/Manager/Admin/Partner views filtered at runtime from declarative JSON config, with no template changes — the public, open-source mirror of the enterprise navigation framework delivered on Truist OneView.
- Applied Angular 22 zoneless change detection and Signals end-to-end, demonstrating in public the modernization patterns applied to production banking modules.
- Designed in Figma Make and implemented through a Claude Code + Figma MCP design-to-code workflow.

Personal Portfolio Website — in progress

Stack: Next.js 16.2 · React 19 · Tailwind CSS

- Building a personal portfolio site as hands-on application of the React/Next.js ecosystem, complementing a primarily Angular production background.

KEY SKILLS

Frontend Engineering: Angular 2–18 (Production), Angular 20–22, Angular Signals, React (Production), React 19 + Next.js 16.2 (active), TypeScript, JavaScript ES6+, RxJS, HTML5, CSS3, SCSS, Bootstrap, Tailwind CSS

Frontend Architecture: SPA Architecture, Micro Frontends (MFE), Module Federation, Component-Based Design, Metadata-Driven UI Frameworks, Configuration-Driven UI, Design Systems

Performance Engineering: Lazy Loading, Bundle Optimization, Performance Optimization, Angular Signals, Zoneless Change Detection, Chrome DevTools Profiling, Rendering Optimization

AI-Driven Engineering: GitHub Copilot, GitLab Duo, Claude Code, Figma MCP Servers, Gemini CLI, Ollama, LangChain, LangGraph, Python (prototyping), RAG Workflows, Local LLM Workflows, AI-Assisted Development

Cloud & Deployment: AWS — lower-environment deployments, AWS Console log analysis for production issue debugging

Accessibility & UI Quality: WCAG 2.2, Keyboard Navigation, ARIA Live Announcements, Focus Management, Accessible Component Design, Responsive UI

Enterprise Delivery: Architecture Reviews, Code Reviews, Technical Mentoring, Sprint Leadership, CI/CD, Release Coordination

Backend & APIs: Node.js, Java, Spring Boot, REST APIs, API Integration, JSON-Based Services

Databases: MS SQL Server, MySQL, Oracle, Chroma Vector DB

Testing & Tools: Jasmine, Karma, Vitest, Unit Testing, Git, GitHub, GitLab, Figma, Postman, JIRA, VS Code

Domains: Banking, Insurance, Healthcare, Mortgage Lending

PROFESSIONAL EXPERIENCE

Infosys Limited — Technology Architect

Sep 2008 – Present. Long-tenured engineer at Infosys Limited, staffed on client engagements. Roles below are client/project assignments within this tenure.

Truist OneView — Banking Platform

AI-First Frontend Architect

Mar 2022 – Present

Enterprise treasury banking platform for commercial banking customers managing ACH transactions, deposits, loans, cards, wires, and secure multi-module banking workflows.

- Defined frontend technical direction for Angular 18 platform, establishing component-based architecture patterns, coding standards, and reusable component systems adopted across multiple product workstreams.
- Architected and delivered a runtime API-driven, configuration-driven metadata navigation framework for Angular 18, dynamically rendering 300+ multi-level nav items from backend JSON config — controlling routing, icons, labels, ordering, role-based visibility, and permission-based entitlements through configuration rather than hardcoded templates, eliminating code deployments for nav changes across the enterprise banking platform.
- Designed and delivered Micro Frontend (MFE) architecture with module federation, enabling independent team deployments and cross-team component integration across banking modules.
- Adopted Angular Signals for reactive state management, improving rendering performance and simplifying component communication across complex banking workflows.
- Modernized 30+ Angular 15 modules to Angular 18, improving performance, maintainability, and long-term platform stability; actively exploring Angular 20–22 zoneless change detection.
- Delivered 20–30% performance optimization through route-level lazy loading, bundle optimization, caching strategies, Chrome DevTools profiling, and targeted rendering improvements.
- Led AI-assisted engineering adoption using GitHub Copilot, GitLab Duo, and Figma MCP Servers, improving team productivity by 30–40% while raising code quality, documentation, and test coverage.
- Mentored 8–12 engineers through hands-on code reviews, design feedback, architecture walkthroughs, and sprint leadership — raising team technical standards and delivery confidence.
- Engineered full keyboard and screen reader accessibility for the Bookmarks feature — implementing arrow key navigation, Enter/Space selection, Escape cancellation, and Home/End traversal; integrated live ARIA announcements for real-time screen reader feedback on item movement and save operations; and applied precise focus management across delete confirmation dialogs and forms with auto-focus on open, in compliance with WCAG 2.2 standards.
- Implemented responsive UI patterns across desktop, tablet, and mobile banking experiences.

Technologies: Angular 18, Angular Signals, TypeScript, RxJS, MFE/Module Federation, JavaScript, HTML5, CSS3, REST APIs, GitHub Copilot, GitLab Duo, Figma, Agile

KBC Group — Property Insurance B2B Platform

Frontend Lead

Sep 2021 – Feb 2022

Property insurance platform supporting movable and immovable asset coverage, complex policy rules, multi-country regulations, and annual/termless policy options.

- Developed scalable Angular 11 UI modules, reusable components, and accessible responsive screens across a multi-country insurance platform.
- Created HLD/LLD documentation, led design reviews, and contributed to frontend architecture decisions.
- Integrated frontend applications with backend APIs while supporting unit testing and release readiness.

Technologies: Angular 11, JavaScript, HTML5, CSS3, Node.js, GitHub, Figma, VS Code

Movement Mortgage — Move Home Sales & Marketing Platform

Frontend Lead

May 2020 – Aug 2021

SaaS mortgage sales and marketing platform supporting CRM, campaign management, analytics, lead scoring, and customer engagement workflows.

- Led frontend engineering and hands-on development across multiple product tracks in an agile, fast-moving delivery environment.
- Designed reusable UI components and scalable frontend modules integrated with REST APIs and third-party services.
- Partnered with product owners, backend teams, and delivery stakeholders to improve code quality and release predictability.

Technologies: React, JavaScript, HTML5, CSS3, Node.js, REST APIs, GitHub, JIRA

CareFirst — Healthcare Portal Suite

Senior Frontend Developer

Aug 2014 – Apr 2020

Healthcare portal suite covering member, broker, employer, admin, and provider workflows for claims, enrollment, billing, and UI modernization.

- Led an 8-engineer team and reduced defects by 20–30% through stronger code review practices, defect triage, and release support.
- Developed Angular, AngularJS, Bootstrap, and REST-based frontend components across six major portal applications.
- Improved performance, accessibility, responsive behavior, and production stability across legacy and modernized application areas.

Technologies: Angular, AngularJS, Java, SharePoint, Bootstrap, HTML5, CSS3, Oracle, REST APIs

Earlier Engineering Experience — Infosys Limited

Systems Engineer / Senior Systems Engineer

Sep 2008 – Jul 2014

Enterprise web applications, workflow systems, dashboards, and reporting modules across healthcare, insurance, financial services, and enterprise domains.

- Built UI screens, validation workflows, dashboards, and database-backed features using JavaScript, HTML, CSS, Java/JEE, Spring, Struts, JSP, ASP.NET, and C#.NET.
- Delivered business-rule-driven workflows for subsidy determination, healthcare cost modeling, provider enrollment, and enterprise analytics.
- Supported enterprise delivery including development, defect resolution, testing, and cross-functional coordination.

Technologies: JavaScript, HTML, CSS, Java/JEE, Spring, Struts, JSP, ASP.NET, C#.NET, SQL Server, Oracle, WebSphere, Tomcat

ADDITIONAL TECHNICAL EXPERIENCE

- Hands-on experimentation with Angular Signals for reactive state management, evaluating rendering performance improvements and simpler data flow patterns as a replacement for RxJS-heavy approaches for future production adoption.
- Designed and standardized AI-assisted engineering workflows using GitHub Copilot and GitLab Duo — team-wide prompt patterns, code review checklists, and documentation templates.
- Built a proof-of-concept document-processing and retrieval-augmented generation (RAG) pipeline in Python with LangChain against local LLMs; explored agentic AI patterns using LangGraph.
- Delivered responsive UIs for desktop, macOS, iPad, and mobile phone experiences.

CERTIFICATIONS

- Anthropic Certified — Introduction to Agent Skills
- Anthropic Certified — Introduction to Subagents
- Anthropic Certified — Introduction to Model Context Protocol
- Anthropic Certified — AI Fluency: Framework & Foundations
- Anthropic Certified — Claude 101
- Anthropic Certified — Claude Code in Action
- Vercel Certified — React Foundations for Next.js
- GitLab Duo Learning Path
- Infosys Certified Angular Professional
- Infosys Certified Frontend Web Developer
- Infosys Certified Digital Accessibility Associate
- Infosys Certified Digital Accessibility Tester

EDUCATION

Bachelor of Engineering — Pune University, 2008