

# PANKAJ GUPTA

## Senior Angular Frontend Developer

Current Location: Bengaluru, India | Open to Relocation

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## PROFESSIONAL SUMMARY

Senior Angular Frontend Developer with **4+ years of experience building high-performance, scalable Single Page Applications (SPAs)** using **Angular (v2–18+)**, TypeScript, and modern frontend architectures **for enterprise-scale frontend systems**. Proven expertise in **performance optimization, micro frontends, accessibility (WCAG 2.1), and state management (NgRx)**. Delivered **enterprise and government platforms adopted across 140+ countries**, supporting **2,000+ concurrent users** in secure, mission-critical environments.

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## CORE SKILLS

- **Frontend Development:** Angular-based UI Engineering, Component-Driven Development
  - **Frontend:** Angular (v2–18+), Angular CLI, Angular Material, Signals, RxJS, NgRx, NgXS, JSON, jQuery
  - **Angular Core Concepts:** Component Lifecycle, Change Detection, Component Architecture
  - **Forms & Data Handling:** Angular Forms, Reactive Forms
  - **Languages:** TypeScript, JavaScript (ES6+), HTML5, CSS3, SASS, SCSS
  - **Architecture:** SPA, Modular Architecture, Lazy Loading, Micro Frontends
  - **Performance:** Webpack Optimization, Bundle Reduction, Change Detection Strategy
  - **UI/UX & Accessibility:** Responsive Design, Cross-Browser Compatibility, WCAG 2.1, i18n/L10n, RTL
  - **Testing & Tools:** Jest, Jasmine (working knowledge), Git, GitHub, Postman, NPM
  - **Frontend Integration:** RESTful API Integration using RxJS
  - **Methodologies:** Agile/Scrum, CI/CD Pipelines, Code Reviews
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## PROFESSIONAL EXPERIENCE

### Tata Consultancy Services (TCS)

#### Software Engineer - Senior Angular Frontend Developer

April 2021 – Present

- Owned frontend features end-to-end, from requirement analysis and UI design to development, testing, deployment, and production support for enterprise-grade Angular SPAs (Angular 7–18+).
  - Designed and maintained scalable Angular applications supporting 2,000+ users, improving page load performance by 30% through lazy loading and Webpack optimization.
  - Led Angular modernization initiatives, migrating large-scale applications from Angular 7 to Angular 18+, improving scalability, security, and long-term maintainability.
  - Built reusable, modular UI components and implemented **NgRx-based state management**, integrating RESTful APIs using **RxJS** for asynchronous data handling, error management, and real-time updates.
  - Improved frontend stability and code quality by **25%** through unit testing, peer code reviews, and structured debugging practices.
  - Collaborated closely with architects, backend engineers, designers, QA teams, and business stakeholders in Agile/Scrum environments, contributing to estimations, sprint planning, internationalization (i18n/L10n), RTL support, and production releases.
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## KEY PROJECTS

### ATITHI – CBIC (Government of India)

**Role:** Senior Angular Frontend Developer

**Duration:** March 2024 – Present

#### Technology Stack:

Angular 16+, TypeScript, Angular Forms, Reactive Forms, RxJS, HTML5, CSS3, SCSS, JSON, REST APIs, Git, Agile/Scrum

#### Project Overview:

National-level digital customs declaration platform used across India, designed to handle high concurrent traffic under strict security and compliance standards.

#### Responsibilities & Contributions:

- Developed **secure, dynamic Angular forms** with complex validations for customs workflows (baggage, currency, pets, crew).
- Implemented **responsive UI** using modern CSS techniques (SCSS, Flexbox, Grid).
- Used **RxJS** for asynchronous data handling, validations, and API integrations.
- Ensured high performance, usability, and compliance with **government security guidelines**.
- Collaborated with cross-functional teams in an **Agile/Scrum** environment.

### Digital Passport System (DPS) – Hitachi Energy

**Role:** Frontend Developer (Angular Specialist)

**Duration:** April 2021 – March 2024

#### Technology Stack:

Angular 7–15, TypeScript, RxJS, NgRx, Angular Material, HTML5, SCSS, REST APIs, Git, GitHub, Agile/Scrum

#### Project Overview:

Global cloud-based Single Page Application for product lifecycle management, enabling real-time access to critical product and quality data across international teams.

#### Responsibilities & Contributions:

- Built **scalable, reusable Angular components** for enterprise workflows.
- Implemented **NgRx-based state management** for complex, data-driven dashboards.
- Developed **mobile-first, WCAG 2.1 compliant UI** for accessibility and cross-device support.
- Enabled **multilingual and RTL support**, driving adoption across **140+ countries**.
- Improved application performance using **lazy loading, modular architecture, and optimization techniques**.
- Supported Angular version upgrades and long-term maintainability initiatives.

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## KEY ACHIEVEMENTS

- Improved application load time by **30%** through modular architecture and performance tuning.
- Contributed to **large-scale Angular modernization** for mission-critical systems.
- Delivered multilingual enterprise platforms adopted across **140+ countries**.

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## EDUCATION

Bachelor of Technology (B.Tech) – Computer Science

Amity School of Engineering & Technology, Noida | 2019