

Puneet Kumar

Software Engineer | React.js | Next.js | JavaScript | TypeScript
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GitHub | LinkedIn | Portfolio

PROFILE SUMMARY

Software Engineer with **5+ years of experience** designing and developing scalable enterprise web applications for **Google** and **DirectTV** using **React.js**, **Next.js**, **JavaScript**, and **TypeScript**. Skilled in **frontend architecture**, reusable component libraries, REST API integration, authentication, and web performance optimization. Experienced in delivering high-quality software in Agile environments while collaborating with cross-functional teams.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, Dart

Frontend: React.js, React 18, Next.js, Redux, Context API, HTML5, CSS3, Tailwind CSS, Bootstrap, Responsive Design

Backend: Node.js, Express.js, REST APIs

Cloud: Firebase, Google Cloud Platform (GCP), Azure App Proxy

DevOps & Tools: Git, GitHub, Jenkins, Azure DevOps, Harness, ArgoCD, GitOps, Postman

Monitoring: Dynatrace, Quantum Metric, Core Web Vitals

Methodologies: Agile/Scrum, Component Library Development, Cross-functional Collaboration

PROFESSIONAL EXPERIENCE

Software Engineer | Cognizant Technology Solutions

Jan 2022 – Present

Client: DirecTV (Frontend Engineer)

Jan 2025 – Present

Technologies: React 18, Next.js, JavaScript, Context API, Azure App Proxy, Jenkins, Dynatrace, Quantum Metric

- Architected, developed, and deployed the enterprise **Self Service Tool (SST)** using **React 18**, **Next.js**, and **Context API**, API with Azure AD SSO, eliminating direct production database access for routine operations and cutting manual effort by **30%**.
- Designed and implemented a reusable **UI component library** adopted across multiple enterprise modules, reducing frontend development effort by **40%** while improving maintainability and UI consistency.
- Integrated secure **Single Sign-On (SSO)** authentication, **REST APIs**, and **Azure App Proxy** to provide secure access to enterprise applications.
- Optimized application performance by identifying rendering bottlenecks using **Dynatrace** and **Quantum Metric**, improving responsiveness and Core Web Vitals.
- Partnered with DevOps teams to streamline application deployment across **Harness**, **Jenkins**, **Azure DevOps**, and **ArgoCD**, ensuring reliable **CI/CD pipelines**.
- Collaborated with product managers, QA engineers, UX designers, and backend developers in an Agile environment to deliver scalable enterprise applications.
- Engaged with QA teams during functional, smoke, regression, and sanity testing to validate new features and support successful production releases.

Client: Google (Software Engineer)

Jan 2022 – Dec 2024

Technologies: React.js, JavaScript, Node.js, Google Cloud Platform (GCP), Firebase, REST APIs, Google Apps Script

- Managed an ecosystem of **4,000+ Chrome Extensions** supporting Google's internal enterprise platform, ensuring scalability, security, reliability, and compliance.
- Led the migration of **100+ Chrome Extensions** from **Manifest V2 to Manifest V3**, refactoring background scripts into service workers for improved security and maintainability.
- Identified and resolved **500+ security vulnerabilities** through automated static analysis, peer code reviews, and engineering best practices.
- Designed, developed, and maintained internal enterprise applications using **React.js**, **Node.js**, **REST APIs**, **Firebase**, and **Google Cloud Platform (GCP)** to streamline operational workflows.

Technologies: React.js, Flutter, Python, Django, Firebase

- Developed and launched **10+** responsive web and mobile applications using **React.js, Flutter, Python, Django**, and **Firebase**.
- Developed reusable frontend components and **scalable application architecture**, improving maintainability and accelerating future feature delivery.
- Refactored legacy data-fetching modules into asynchronous pipelines, optimizing frontend rendering and increasing user engagement by **20%**.
- Integrated REST APIs and cloud backend services to deliver secure, high-availability features for client applications.

FEATURED PROJECTS

- **DirecTV Nexus (Hackathon Finalist)** – Co-built a secure full-stack collaboration platform using React.js, Node.js, and Azure. Selected as a finalist among **58,000+ global participants**.
- **Website-to-App Converter (Open-Source Utility)** – Built a cross-platform Flutter/Dart utility enabling rapid conversion of web applications into native mobile apps. Recognized with **26+ stars** and **14+ forks** on GitHub.
- **PetMets - Web & App** – Engineered a production-ready application using React.js, **Firebase** Authentication, Cloud Firestore, and Cloud Storage, enabling real-time synchronization and responsive user experiences.
- **Deep Learning Medical Assistance Chatbot** – Engineered an open-source NLP-based chatbot using Python for medical symptom analysis and intent classification. Received **17+ GitHub stars** and **14+ forks**.
- **Secure Cloud File Sharing Platform** – Developed a secure cloud file management application using Firebase, implementing Role-Based Access Control (RBAC) and bandwidth download constraints.

COURSES & CERTIFICATES

- **Claude Certified Architect – Foundations** – Anthropic
- **Cloud Technical Series: Agentic AI Edition** – Google Cloud
- **Google Cloud Certified – Cloud Digital Leader** (Google Cloud)
- **Machine Learning with Python** – IBM (Coursera)
- **How to Build an E-Commerce Website with React?** – Scaler (InterviewBit)
- **Responsive Web Design: HTML5 + CSS3 for Entrepreneurs** – Udemy
- **Neural Networks and Deep Learning** – DeepLearning.AI (Coursera)

LEADERSHIP EXPERIENCE

- **Cognizant Outreach** – Volunteer & Mentor Jan 2022 – Jun 2022
Mentored 60+ employees and 200+ students across Cognizant's social initiative programs.
- **Expertrons** – Course Instructor Jun 2021 – Jul 2021
Created and delivered a Web Development curriculum, teaching and mentoring active learners.
- **Guruphoria** – Mentor Aug 2020 – Dec 2021
Mentored students in programming and core language skills via live online sessions.

AWARDS & RECOGNITION

- **Guinness World Record (2025)** – Built a production-grade enterprise web app during Cognizant hackathon.
- **Cognizant Cheers Award (2024)** – Awarded for outstanding client delivery and technical excellence.
- **Certificate of Honor – SankalpTaru (2022)** – Recognized for environmental and social initiatives.

EDUCATION

Dr. A.P.J. Abdul Kalam Technical University
Bachelor of Technology (B.Tech.), Computer Science and Engineering

2016 – 2020