

# AMIT BANGARWA

Frontend Architect | 10+ Years Experience

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## PROFESSIONAL SUMMARY

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Frontend Architect, 10 years. At Palo Alto Networks I own the frontend for a cloud NGFW management platform: real-time firewall monitoring, multi-cloud onboarding, usage analytics, upgrade scheduling across AWS and Azure. Redesigned the Redux caching layer and cut response times by 25%. CI/CD runs across dev, QA, staging, and gov. I care about architectural decisions that hold up and developer tooling that doesn't get in the way.

## EXPERIENCE

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### Principal Software Engineer

**Palo Alto Networks**

April 2022 – Present

Own the frontend architecture for Palo Alto's cloud NGFW platform — organisations use it to deploy and manage cloud-native firewalls on AWS and Azure.

- Built the Cloud Management Service (CMS) micro-app. Enterprise customers use it to allocate and track credit pools across AWS and Azure CSP accounts, with real-time commit status (Active, Failed, Pending, Expired) and visual health indicators.
- Built a dimension-based usage analytics engine with Chart.js. Customers track firewall consumption by traffic tier (Base Tier 1-3) and add-on, with CSV export and date-range filtering.
- Built the multi-cloud account onboarding flow for AWS CloudFormation and Azure portal: automated billing codes, template downloads, TSG ID-based account linking.
- Built the PAN-OS upgrade scheduling system for cloud NGFW platform with per-provider version control, rollback, and a full audit trail. Removed most of the manual work that came with cloud firewall lifecycle management.
- Set up GitLab CI/CD pipelines across dev, QA, staging, and gov, with preview deployments to Sparky CDN.
- Set up pre-commit hooks (ESLint, Prettier, StyleLint, TypeScript), commitlint with JIRA ticket enforcement, and guided commit workflows. Code review cycles dropped ~30%.

### Full Stack Developer

**Infomedix**

October 2018 – March 2022

Worked on a healthcare collaboration platform for multidisciplinary clinical teams.

- Led the MDT (Multidisciplinary Team Meeting) module across 10+ clinical departments. Specialist teams used it for real-time coordination; care delays fell ~40% after rollout.
- Built the application in ReactJS and Node.js — CRUD, screen sharing, real-time backend — handling concurrent access for 500+ healthcare professionals.
- Made the application work consistently across devices. Clinical staff weren't tied to specific hardware.

### Front End Developer

**Labyrinth.ai**

December 2017 – September 2018

- Built the AGNT platform in ReactJS and Redux — a tool for artists and event organizers to manage bookings and collaborations. 200+ users across 5+ countries.
- Built an e-commerce platform for independent design brands: real-time messaging, admin portal, and storefront management. 600+ listings at launch.

## Developer

### JustDoc

August 2015 – August 2017

- Built and maintained the web apps and REST APIs for JustDoc's telemedicine platform — doctors available on demand, 5000+ registered patients.
- Built the WebRTC video consultation stack. Socket.io, Node.js, Redis. 99.5% uptime, 200+ daily sessions at peak.
- Stack: AngularJS, Angular Material, Node.js, Express, Socket.io, Redis, PostgreSQL.

## TECHNICAL SKILLS

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### Frontend

React.js • Redux • Next.js • TypeScript • JavaScript (ES6+) • React Query • Hooks • Vite • Tailwind CSS • SASS

### Architecture & Performance

Component Design Patterns • State Management • Bundle Optimization • Runtime Profiling • Caching Strategies • Design Systems • Micro-frontends

### Testing

Jest • Cypress • React Testing Library • E2E Testing • Unit & Integration Testing

### Security & Auth

Okta • Cognito • JWT • XSS/CSRF Prevention • Secure Token Handling

### Accessibility

WCAG Standards • Accessible UI Patterns • Cross-browser Compatibility • Responsive Design

### CI/CD & DevOps

GitLab CI • GitHub Actions • Docker • Terraform • AWS • Azure • Quality Gates • ESLint • Prettier

### Backend & APIs

Node.js • REST APIs • GraphQL • Express • WebSockets • Socket.io • WebRTC

## KEY ACHIEVEMENTS

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- Cut client-side response times 25% by redesigning the Redux caching layer. The issue was redundant fetches and re-renders piling up under high data load.
- Built the Cloud Management Service (CMS) micro-app from scratch. Enterprise customers use it to manage firewall credit allocation across AWS and Azure CSP accounts.
- Set up pre-commit hooks, commitlint standards, and guided commit workflows across the engineering team. Code review cycles dropped ~30%.
- Built the PAN-OS upgrade scheduling and audit trail system. Eliminated the manual tracking that used to come with firewall lifecycle management; rollback support reduced upgrade risk.
- Built the MDT collaboration module at Infomedix — real-time coordination between clinical specialist teams across 10+ departments.

## EDUCATION

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### Master of Computer Application

Sri Jayachamarajendra College of Engineering, Mysore

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