

Ashish Bisht

Full-Stack Software Engineer | React, Next.js, TypeScript | Java, Spring Boot | AWS, Docker

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SUMMARY

Full-Stack Software Engineer with 5+ years of experience designing, building and running production web applications and cloud-native microservices. Works end to end across React, Next.js and TypeScript frontends, Java Spring Boot and Node.js APIs, PostgreSQL and MongoDB, and AWS deployments with Docker and Jenkins CI/CD. Has built services and authentication systems from scratch, led major framework upgrades with zero UI regressions, and brought automated testing and security scanning into delivery pipelines.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), Java 17/21, Python, SQL, HTML5, CSS3
Frontend: React 19, Next.js (App Router), Redux Toolkit, Redux-Saga, Tailwind CSS, D3.js, Three.js, MapLibre GL, webpack
Backend: Spring Boot, Spring WebFlux, JPA/Hibernate, Node.js, Express.js, REST APIs, OpenAPI, Microservices
Databases: PostgreSQL, MySQL, MongoDB, DynamoDB, time-series data, MQTT
Cloud & DevOps: AWS (Cognito, S3, SQS, Lambda, EKS, ECR), Docker, Jenkins, CI/CD, Git, SonarQube
Testing & Security: Playwright, Jest, React Testing Library, Cypress, JUnit 5, Mockito, Keycloak, OIDC, SBOM, Trivy

PROFESSIONAL EXPERIENCE

Software Engineer | Daikin India × Conserve It (Shared Service Center for Daikin Australia) Sep 2024 – Present

- Full-stack engineer on FacilityTracker, a building-analytics suite for commercial HVAC, working across Next.js/React frontends and Java Spring Boot microservices with a team across India and Australia; 1,500+ production commits since 2024.
- Designed and built a root-cause analysis (RCA) microservice from scratch with Spring Boot WebFlux and PostgreSQL (96% of commits); replaced sequential lookups with bounded parallel fan-out so latency no longer grows linearly with request size, and made upstream calls fail soft to return partial results instead of errors.
- Built the suite's authentication app from scratch on AWS Cognito and Next.js: JWT login, OTP verification, first-time login, password reset and admin user management; moved configuration to runtime so a single Docker image deploys to every environment.
- Led the Magnify upgrade from Next.js 14 to 16 and Tailwind CSS 3 to 4, using deterministic Playwright visual regression tests to ship two framework majors with no unintended UI changes.
- Modernised a legacy React analytics app (React 16 → 18, webpack 4 → 5, Enzyme → React Testing Library, Node 24) incrementally, keeping it releasable at every step and clearing outstanding dependency vulnerabilities.
- Built Spring Boot REST endpoints for chiller-plant performance and bulk time-series export (with opt-in interpolation), upgraded services to Spring Boot 4, and added SBOM and Dependency-Track scanning to Jenkins CI/CD pipelines.

React JS Developer | Techugo Pvt. Ltd., Noida Mar 2022 – Aug 2024

- Built fixed-price and T&M client web apps from scratch with React, Redux, Node.js, MySQL and MongoDB; led cross-functional teams on multiple React projects.
- SCCH (STPI, Government of India): delivered a MERN-stack startup collaboration platform with multi-module, role-based login.
- PartnerGate: rebuilt a Vue.js application in React with a Node.js, MySQL and Python backend; integrated the Webcc library for interactive window drawing and dimension calculations.
- Blackjet: built a private-jet marketing site with React, Tailwind CSS, SVG animation and a 3D cabin tour (Pannellum).
- Recrutium: built a job portal with React, Node.js and MySQL, with resume parsing via a Python service.

PROJECTS & OPEN SOURCE

Code Typer | code-typer.ashishxbisht.in 2026

- DSA typing trainer with 229 problems in C++, Java, Python and JavaScript, every solution tested against test cases, with live WPM and accuracy. React 19, TypeScript, Vite, Vitest

Copyshelf | github.com/ashish12345bisht/copyshelf 2026

- Open-source Linux clipboard manager for GNOME, KDE, Sway, Hyprland and X11, with auto-paste via a GNOME Shell extension over D-Bus. Python, GTK, Wayland, GitHub Actions

Open source: npm packages react-file-upload-preview and react-dynamic-width-divs; bug fix to use-react-countries.

EDUCATION & CERTIFICATIONS

Bachelor of Technology (B.Tech) | St. Andrews Institute of Technology and Management | CGPA 9.3/10 2018 – 2022

MERN Full Stack Development, Great Learning (2023) | Meta Front-End Developer Capstone, Coursera (2023)