

Chandanpreet Singh

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SUMMARY

Full-Stack Software Engineer with 3.5+ years of enterprise experience at Airbus and Infosys, holding an M.Eng in Software Engineering (Co-op). Proven track record of translating complex business requirements into scalable Java/Spring Boot microservices, Angular and React web applications, and automated CI/CD pipelines.

TECHNICAL SKILLS

Languages: Java, TypeScript, JavaScript, Python, SQL, C++, Bash, HTML5/CSS3

Backend & Databases: Spring Boot, Spring Security, REST APIs, Microservices, Hibernate/JPA, MongoDB, Relational SQL, OAuth 2.0, JWT, SSO

Frontend & UI: Angular, React, Chrome Extensions API (Manifest V3), Responsive Web Design, Custom SVG/UI Styling

Cloud & DevOps: AWS (Cognito, Secrets Manager), Cloudflare R2, Docker, Jenkins, CI/CD, Git, GitHub, Linux, SSH

Analysis, AI & Testing: Requirements Analysis, UML, IBM DOORS, Agile/Scrum, Jira, LLM APIs, MediaPipe, JUnit, Mockito, Postman, SonarQube

EXPERIENCE

Information Technology PLM Intern

Jan 2026 – May 2026

Airbus Canada Limited Partnership

Mirabel, QC

- Engineered single sign-on (SSO) integration using AWS Cognito and Secrets Manager, provisioning secure access for 90+ external suppliers without requiring internal Airbus network credentials
- Re-architected the supplier document-sharing platform (predictive search, schema validation, bulk CSV upload) and built a Jenkins CI/CD pipeline deploying SQL stored procedures, eliminating 15+ hours/week of manual provisioning
- Spearheaded the migration planning of 200,000+ engineering objects into IBM DOORS via structured XML exports, preserving relational integrity and 7 years of audit history documented with UML class and use-case diagrams

Full-Stack Developer (Contract)

Oct 2025 – Dec 2025

Pangea Restaurant & Bar Inc.

Montréal, QC

- Delivered a full-stack bilingual web platform (pangeamtl.com) using Spring Boot, Angular, MongoDB, and Cloudflare R2, securing REST APIs with JWT authentication and eliminating recurring third-party CMS fees
- Designed a custom content management dashboard replacing a legacy WordPress setup, enabling non-technical stakeholders to publish events, menus, and media assets in real time

Technology Analyst (Promoted from Systems Engineer)

Sep 2021 – Dec 2024

Infosys Limited

Bengaluru, India

- Built an end-to-end workflow automation platform that became the standard verification tool for daily DOCSIS and RDK Video builds, reducing build verification time by 81% (from 4 hours to 45 minutes)
- Developed the Spring Boot backend and Angular frontend (automated SSH execution, REST integrations, regex log parsers, reusable test suites) secured with OAuth 2.0/JWT and containerized via Docker; maintained 85%+ JUnit/Mockito test coverage
- Led client requirements gathering and live platform demonstrations for 50+ engineers, providing cross-timezone production support and root-cause analysis across 5+ hardware vendor platforms
- Implemented JWT authentication across an enterprise login portal serving thousands of users and managed SDLC release documentation across 10 major production releases via Agile ceremonies and Jira

PROJECTS

Personal Portfolio & Publishing Platform | Java, Spring Boot, React, MongoDB, OAuth 2.0, Docker

chandanpreet.com

- Engineered a full-stack web and blogging platform featuring a custom Tiptap rich-text editor, dynamic reading controls, custom UI themes, and an OAuth 2.0-secured admin inbox deployed via Docker

SecureInspect | JavaScript, Chrome Extensions API, Cloud & Local LLMs

[GitHub Repository](#)

- Built a browser extension security scanner integrating local and cloud LLM APIs to inspect web scripts and detect vulnerabilities; authored system architecture documentation and Agile project roadmaps

Attention Pause | JavaScript, MediaPipe, Chrome Extensions API (Manifest V3)

[Chrome Web Store](#)

- Published a privacy-first browser extension utilizing MediaPipe for on-device webcam face tracking, automatically pausing media playback when the user looks away with zero external data transmission

EDUCATION

Concordia University

Montréal, QC

Master of Engineering in Software Engineering (Co-op)

Jan 2025 – Aug 2026

I.K. Gujral Punjab Technical University

Punjab, India

Bachelor of Technology in Computer Science & Engineering (Merit-cum-Means Scholarship)

Aug 2018 – Jul 2021

CERTIFICATIONS & CAMPUS INVOLVEMENT

Certifications: MongoDB SI Associate | Infosys Certified Agile Professional Developer | Infosys Full Stack Web Development | Infosys Privacy by Design

Campus Role: Undergraduate Final Exam Invigilator, Concordia University, Montréal, QC (2025 – 2026)