

PROFESSIONAL SUMMARY

Computer Science Engineer and Software Developer specializing in Python and Java, with strong expertise in designing and developing robust backend systems, SDKs, and RESTful APIs using Spring Boot, SQL, and MongoDB. Experienced in building production-grade applications with integrated webhook workflows, while applying clean architecture, OOP, and SOLID principles. Passionate about writing clean, maintainable code and continuously improving application performance, reliability, and scalability.

EDUCATION

Chandigarh University	
B.E in Computer Science Engineering; CGPA: 7.53	August 2021 - June 2025
Career Academy Sr. Sec. School (HP-BOSE)	
Intermediate; 89.4%	April 2020 – March 2021
DAV Sr. Sec. Public School (CBSE)	
Matriculation; 87%	April 2018 – March 2019

SKILLS

Programming: Python, Java, SQL, HTML, CSS, JavaScript
Frameworks & Development: Spring Boot, REST APIs, Thymeleaf, Gradle, SDK, Webhook
Tools & Platforms: Git, GitHub, Docker, Kubernetes
Concepts: Data Structures & Algorithms, Object-Oriented Programming
Methodologies: Microservices Architecture, System Design, Agile/Scrum

WORK EXPERIENCE

Associate Solution Architect - Iron Mountain	(Jan 2026 - Present)
- Designed and delivered enterprise-scale Digital Experience Platform (DXP) architectures to modernize content ecosystems and support enterprise digital transformation initiatives. - Developed a custom SDK for clients to seamlessly integrate DXP capabilities into their own applications, improving platform adoption and developer usability. - Conducted technical enablement programs for partners and system integrators, training them on DXP architecture, implementation, and best practices. - Built solution-specific AI agents to automate workflows and reduce manual effort, improving operational efficiency across multiple use cases. - Architected and delivered multiple enterprise solutions for clients, translating complex business requirements into scalable, secure, and cloud-native implementations.	
DevOps Engineer Intern – AerinIT Services Pvt. Ltd. (On Site)	(Aug 2025 – Dec 2025)
- Automated infrastructure provisioning using Terraform (instances, networking, configurations). - Configured Ansible playbooks for server setup and deployments. - Built CI/CD pipelines and integrated Grafana dashboards for system monitoring. - Leveraged log analysis to quickly identify root causes of system errors. - Worked with AWS EC2, S3, EBS, EKS, VPC, and Security Groups to provision and manage cloud workloads. - Delivered training labs on Git, Jenkins, and advanced Grafana for internal teams.	
Web Developer – LeadManch (Part time)	(Oct 2022 – Dec 2025)
- Designed and developed end-to-end Java applications using Spring Boot, REST APIs and modular backend architecture. - Managed PostgreSQL and MongoDB databases, including schema design, migrations (Flyway), and writing efficient queries. - Integrated custom features like analytics, seat booking logic, and order processing with validation and error handling. - Maintained clean, version-controlled codebases using GitHub and documented projects with technical blogs and Git repos.	
DevOps Trainee – KodeKloud (Online)	(Apr 2024 – Sept 2024)
- Containerized 3+ applications with Docker, improving resource efficiency. - Managed Kubernetes clusters (50+ pods) for high availability and scalability. - Applied RBAC policies to improve cluster security. - Resolved 5+ infrastructure issues through log analysis, boosting system reliability.	

PROJECTS

Coffeehouse – Inventory Management System (Java, Spring Boot, MongoDB)	July 2025
- Built a server-rendered inventory system managing 200+ transactions using Thymeleaf and Spring Boot. - Integrated MongoDB for flexible order/product storage, enabling analytics like top-selling items.	

- Developed a reusable SDK for the system, allowing external applications to access core functionalities through clean, well-documented APIs.
- Automated CI/CD pipeline using Jenkins, Docker, and ArgoCD, reducing deployment effort by 80%.
- Applied SOLID principles across 15+ components, improving code maintainability and testability.

Hospital Management System (Java, Spring Boot, PostgreSQL)

June 2025

- Designed a modular Java app with 5+ components to manage 100+ patient, doctor, and billing records.
- Built REST APIs for patient, doctor, and appointment management to enable seamless communication across modules.
- Integrated a webhook-based event tracking system to automatically capture and process appointment-creation events.
- Containerized the system using Docker and deployed it on Kubernetes for scalable testing.
- Automated appointment scheduling and report generation, reducing admin workload by 60%.
- Applied OOP principles to improve modularity and system extensibility.

Ticket Booking System (Java, flyway, PostgreSQL)

June 2023

- Developed a console-based booking system handling 100+ ticket operations with file-based persistence.
- Deployed using Docker and Kubernetes, improving portability and simulating distributed testing.
- Built RESTful APIs for ticket creation, cancellation, and status checks, enabling external system integration and improving automation and scalability.
- Used Java file handling for persistent data storage with zero data loss in testing.
- Validated user input through custom logic, improving booking accuracy by 95%.

IoT-Based Home Security System (IoT, Cloud)

October 2022

- Built a motion-sensor-based security system with cloud alerts, reducing false alarms by 35%.
- Boosted user engagement by 60% via real-time notifications and cloud dashboard.
- Demonstrated solution to 10+ peers in a live project showcase.

Object Detection using TensorFlow (TensorFlow, OpenCV)

August 2022

- Created a real-time object detection model with 85%+ accuracy using OpenCV and TensorFlow.
- Boosted performance by 30% via hyperparameter tuning and data augmentation.
- Validated system across 200+ test images in 5 object categories.

Certifications

- Foundations of Project Management - Coursera (Google)
- Angular Developer Program (Infosys SpringBoard)
- Automate Cybersecurity Tasks with Python – Coursera (Google)
- Developing AI Applications with Python and Flask -Coursera (IBM)
- Introduction to NoSQL Databases - Coursera (IBM)
- NoSQL, Big Data, and Spark Foundations Specialization - Coursera (IBM)
- The Bits and Bytes of Computer Networking - Coursera (Google)
- C for Everyone: Programming Fundamentals - Coursera (University of California, Santa Cruz)

Publications

Air Quality Index Monitoring System using IoT (IJSREM)

October 2024

- Summary: Designed an IoT-based real-time AQI monitoring system.

Deep Learning for Malnutrition Detection: Implications for Global Health (IJSREM)

April 2024

- Summary: - Developed a deep learning-based model for malnutrition detection

Interests & Learning

- Agentic AI
- Generative AI
- Cloud Computing
- Artificial Intelligence & Machine Learning
- Adventure Rides

Community Involvement

- Blood Donation (Camp Volunteer & Donor)
- Prakriti Parikshan (Volunteer)
- PGI Food Donation Camps (Volunteer)