

## **Pushkar Singh | Lead Developer | Solution Architect**

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## **Summary**

A results-driven Lead Developer and aspiring Solution Architect with 10+ years of experience designing and delivering scalable, resilient enterprise applications. Skilled in Java, AWS, and modern cloud-native architectures with proven expertise in microservices, event-driven systems, and solution design. Recently strengthened capabilities with a Minor in AI from IIT Ropar, bringing hands-on experience in AI/ML techniques, data analysis, and intelligent automation. Adept at translating complex business requirements into robust technical solutions that drive organizational success

## **Technical Skills**

**Solution Architecture:** Solution Design, Microservices Architecture, Event-Driven Architecture, Design Patterns, High-Level Design, Low-Level Design

**Cloud Technologies:** AWS (EKS, EC2, S3, SNS, SQS, State Machines, Polly), Cloud Foundry

**Programming Languages:** Java, Python, JavaScript

**Frameworks:** Spring/Spring Boot, Hibernate JPA, React, Angular 17, Playwright

**CMS Solutions:** Contentful, Directus

**Databases:** Oracle, MS SQL, PostgreSQL

**DevOps:** Kubernetes, Jenkins, ArgoCD, Bamboo, Urban Deploy

**API Gateways:** Istio, Apigee, Layer7, AWS API-Gateway

**Logging:** Splunk, ELK, Dynatrace, Datadog

**Data Processing:** Pandas, NumPy, Matplotlib, Seaborn, Pytorch

**AI/ML:** Supervised Learning, Semi Supervised Learning, Unsupervised Learning, AI Agents, MCP Servers.

**Containerization:** Docker

**Queuing:** SQS, ActiveMQ, RabbitMQ

## **Experience**

### **Gartner Research and Advisory | 08/2021 - Current**

Lead Software Developer

- \* Led the design and implementation of a comprehensive web application on AWS, utilizing microservices and micro-frontend architecture.
- \* Spearheaded development initiatives, providing guidance and mentorship to the team.
- \* Formulated High-Level Designs (HLD) and Low-Level Designs (LLD) and communicated these plans to stakeholders.
- \* Oversaw the migration from Oracle on-premises to Aurora-Postgres on AWS.
- \* Work with Architecture team to evaluate various tools for enterprise.
- \* Ensured microservices were scalable, resilient, performant, and secure.
- \* Participated in talent acquisition and team development.

### **Fidelity International | 06/2019 - 08/2021**

Sr. Analyst Programmer

- \* Developed API endpoints using Spring Boot, Spring Security, and Docker for a pension

scheme management infrastructure.

- \* FrontEnd development using Angular 17 version.
- \* Contributed to the development of Android/IOS mobile applications using IONIC and REDUX.
- \* Deployed Spring Boot applications on Cloud Foundry.
- \* Utilized Data Virtualization (Denodo), Apigee, Layer 7, Oracle, and Splunk.
- \* Worked in an agile environment.

### **FIS | 05/2017-06/2019**

Product Developer

- \* Developed web application front-end using Angular.
- \* Developed APIs using Spring Boot with OAuth2 security.
- \* Worked in an agile environment with strict deadlines.
- \* Worked extensively in a multithreading environment.

### **Infosys Ltd | 06/2014-05/2017**

Senior System Engineer

- \* Developed web applications using Spring MVC and Struts 1.
- \* Created High-Level Design documents.
- \* Performed unit testing and involved in the full SDLC.
- \* Participated in requirement analysis, design, development, review, and bug fixing.
- \* Provided application maintenance.

### **Education**

IIT Ropar: Minor in AI | 2025

Ajay Kumar Garg Engineering College | UPTU | B.Tech | 2014 | 71.2%

### **Personal Details**

Father's Name: Mohan Singh

Hobbies: Tech Blogger; Bike riding and exploring places. Gender: Male