

Ajay Dsouza

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Professional Summary

- **Technology Lead** with 14 years of extensive IT experience, specializing in Java backend and Angular UI development.
- Proficient in **Java** with **Spring Boot REST API** and **Microservices** architecture.
- Skilled in **Angular development**, including Material UI integration.
- Proven expertise in large-scale migration projects such as **PCF to Azure Cloud, Java 8 to 17, Spring Boot** upgrades to 3.2.7, and **Angular** upgrades from 7 to 11.
- **7 years of domain experience** in both **retail** and **healthcare** industries.
- Strong knowledge of **REST** and **Microservices** design patterns, serving as an individual contributor, team lead, and onsite consultant
- Comprehensive experience across all **SDLC phases**, including requirement gathering, design, development, QA, and production deployment.
- Experienced in leveraging **AI tools** to improve productivity and streamline development processes.

Education Background:

- **Bachelor of Engineering in Computer Science**
St. Joseph Engineering College, Mangalore, Karnataka | *Graduated: 2010*
- **Post-Graduation Diploma in Computer Applications**
Annamalai University, Tamil Nadu | *Completed: 2019*

Technical Proficiencies Overview:

Domain	Retail, Healthcare
Languages & Frameworks	Java EE (7, 8, 11, 17), Spring Boot, Spring MVC, Spring JPA, Spring Integration, Hibernate, Kafka, Angular (4, 6, 7, 9, 11),
Databases	Oracle PL-SQL, PostgreSQL, MongoDB
Cloud & Infrastructure	Pivotal Cloud Foundry (PCF), AWS (S3 bucket, Secret Key Management), Elastic Search, Logstash, Kubernetes, AKS (Azure Kubernetes Services), Docker containerization, Microservices Architecture
Design & Documentation	UML, PlantUML

Tools & Technologies	Apache Tomcat, Git (GitLab, GitHub, Bitbucket), Jenkins, Bitbucket Pipelines, Jira, Rally, Maven, JUnit, Mockito, Cucumber, SonarQube, Checkmarx, NexusIQ
Tools & IDEs	IntelliJ, Spring Tool Suite, SQL Developer, Offset Explorer, Visual Studio Code, DB Viewer, NoSQL Booster

Certifications:

- **AWS Certified Cloud Practitioner – Amazon**
[View - <https://www.credly.com/badges/0254c663-73f2-48e5-a75a-cdb3427df46d>]
- **IBM Certified Application Developer - Cloud Platform v1 – IBM**
[View - <https://www.credly.com/badges/a00ac638-2158-46c7-bd66-c0496233895a>]
- **Highly Scalable Web and Mobile Application Building on IBM Cloud – Certified by Tech Data's Avnet (ExitCertified)**
[View - <https://www.credly.com/badges/6e92cd83-575d-43d0-8193-836a443d181c>]

Courses Completed:

- **MongoDB for Node.js Developers – MongoDB University**
[View - https://university.mongodb.com/course_completion/ae92576679e548bc984432a003a78c58]
- **MongoDB for Java Developers – MongoDB University**
[View - https://university.mongodb.com/course_completion/c8c8f4d3d5a84893ae1917dcc2effc3b]

Projects Worked in Chronological Order

Company: Infosys Ltd

Duration: October 4, 2010 – Present

Project Title: Patient Care Central (PCC)

Project Duration: February 2024 – Present

Project Description: Patient Care Central (PCC) integrates with RxConnect to boost customer engagement at US pharmacies. It offers UI and microservices solutions for store and call center operations, including immunization scheduling, opportunity loading, and customer service interactions, streamlining processes for both in-store and call center staff.

Role and Responsibilities:

- **Leadership:** Led requirement gathering, analysis, and design efforts, managing the development of microservices and batch programs.
- **Microservice Development:** Developed Java-based microservices using Kubernetes and Docker for AKS deployment. Managed Java upgrades (8 to 17) and Spring Boot/Azure service upgrades to modernize platforms and resolve vulnerabilities.
- **Angular UI Development:** Enhancements in the Angular UI app.

Technologies Used: Java 17, Spring Boot, Angular 7, Microservices Architecture (Spring Cloud Config, Spring Cloud Gateway, Resilience4J, Eureka Server, REST APIs), Azure Kubernetes Services (AKS), Docker, JUnit, Mockito, SonarQube, Checkmarx, NexusIQ, Maven, Git, Jenkins, Rally, Postman, SQL Developer, Oracle SQL.

Project Title: Seneca Remote Device Solution

Project Duration: April 2023 – October 2023

Project Description: Seneca is a web-based application for managing devices across multiple tenants, including cameras and IP-based devices. It provides a centralized platform for device monitoring and control.

Role and Responsibilities:

- **Requirement Gathering:** Participated in requirement gathering, providing analysis and project estimations.
- **Java Development:** Developed RESTful services with Java 17, Spring Boot, and MongoDB for device data management.
- **UI Enhancements:** Enhanced the AngularJS application for improved functionality and user experience.

Technologies Used: Java 17, Spring Boot, MongoDB, AngularJS (1), Bitbucket, Azure DevOps, IntelliJ, Maven.

Project Title: Document Integration Portal (DI Portal)

Project Duration: November 2021 – August 2022

Project Description: The DI Portal was designed as a central repository for policy-related documents, facilitating easy access for business users and ensuring compliance with industry standards for document management and storage.

Role and Responsibilities:

- **Leadership:** Led requirement gathering, solution design, and task allocation for Java development.
- **Development:** Created Java RESTful web services with multi-maven project integrated with Elasticsearch, Logstash, AWS, and Postgres.
- **Code Quality:** Conducted code reviews, approved commits, and provided feedback for high-quality deliverables.
- **Architecture & Implementation:** Made key decisions on solution architecture to meet performance and scalability requirements.
- **Client Engagement:** Participated in daily client meetings to align on objectives and provide project updates.

Technologies Used: Java (11), AWS (S3, Secret Manager), Elasticsearch, Logstash, Postgres, IntelliJ, Bitbucket, Maven.

Project Title: Retail Offer Channel Management (ROCM)

Project Duration: February 2019 – February 2024

Project Description: ROCM enhanced pharmacy systems for patient communication, prescription management, and rule orchestration. It involved REST API development in Pivotal Cloud Foundry (PCF) with subsequent migration to Azure. The solution included microservices, Angular UI, Spring integration with Kafka, and data management with Oracle and MongoDB, monitored via Splunk.

Role and Responsibilities:

- **Requirements:** Led gathering, workshops, and documentation.
- **Design & Development:** Created REST APIs and managed PCF-to-Azure migration.
- **Architecture:** Defined solutions produced design docs, and optimized performance.
- **Development:** Built with Spring Boot, Angular, Kafka, and MongoDB.
- **Testing & Quality:** Automated tests with JUnit and Cucumber; used SonarQube and Veracode for quality.
- **CI/CD:** Set up Jenkins pipelines and managed deployments from GitLab.
- **Performance:** Tuned Java/J2EE frameworks.
- **Support:** Addressed non-functional requirements and monitored with Splunk.

Technologies Used: Java (8, 17), Spring Boot (2.x.x to 3.0.0), Angular (4, 6), Azure Kubernetes, Docker, PCF, Jenkins, JUnit, Cucumber, SonarQube, Checkmarx, NexusIQ, Jedi, Oracle SQL, MongoDB, Kafka, Maven, Git, SQLDeveloper.

Project Title: Specialty Process and Productivity (SPRx)

Duration: January 2018 – February 2019

Project Description: SPRx aimed to enhance services for patients and healthcare providers by streamlining specialty pharmacy processes, improving service quality, reducing labor costs, and increasing prescription volume.

Role and Responsibilities:

- **Requirements:** Analyzed business needs and compared with existing SPACRS application.
- **Design:** Evaluated and proposed alternatives for Angular and PrimeNG frameworks.
- **Planning:** Estimated UI development tasks and ensured accurate planning.
- **Leadership:** Directed the development team and resolved technical issues.
- **Integration:** Coordinated API development and ensured seamless integration.
- **Development:** Coded UI screens using Angular and PrimeNG.
- **Code Review:** Managed code with GitLab and resolved conflicts.
- **Testing:** Oversaw QA, UAT, regression testing, and defect resolution.
- **Support:** Managed post-deployment enhancements

Technologies Used: Angular 4, PrimeNG, GitLab, JIRA, Quality Center

Summary of Key Projects (2010–2017)

Project Title	Duration	Description	Role and Responsibilities	Technologies Used
Store Systems	June 2017 – Dec 2018	Enhanced pharmacy systems for item registration, checkout, and billing.	US onsite role to analyze IBM machines and develop Java Spring and AngularJS applications.	Java, Spring, Hibernate, AngularJS, Unix shell scripts
User Access Control	April 2017 – May 2017	Enhancements for user category restriction on client web portal for restricted access.	Analyzis, code and test on multiple browsers, and provided post-go-live support.	JavaScript, JSP
Smart Operating Panel	Sept 2016 – March 2017	Android panel for printers to assist users and detect issues.	REST API development using Spring Boot.	Java, Spring Boot, Hibernate, Postman, Jira
Contracts E-Business Suite Enhancements	June 2016 – Sept 2016	Enhanced Oracle E-Business Suite Contracts Module.	JSP fixes, and improvements in HTML/CSS for better UI.	JSP, HTML, CSS, Oracle E-Business Suite, Git
Health Engagement Engine	March 2016 – April 2016	Data-driven app for research opportunities.	Addressed performance issues and implemented fixes using Smart GWT EE.	Oracle, Smart GWT EE (Google Web Toolkit)
Horizon Security	Dec 2015 - Jan 2016	Cloud-based portal for tracking security issues and vendor test results.	Prototype creation using Angular JS.	AngularJS
iStore Shopping Enhancements	Nov 2015	Improvements in iStore shopping cart	Issue fixes in JSP, JavaScript, and CSS.	JSP, JavaScript, CSS
Digital Sales	Nov 2014 – Nov 2015	MyRicoh app modernization.	Led Team, Developed Java and UI features, estimated tasks and followed Agile Scrum.	HTML, CSS, Bootstrap, JavaScript, jQuery, Java, SVN, Jira
ROTOA Field Service Automation	Oct 2013 – May 2014	Optimized routing for field service agents with third-party web services and Android apps.	Led team, developed Java and PL/SQL concurrent programs, configured Oracle E-Business Suite, and managed deployments and support.	Java, PL/SQL, SOAP, Oracle, MySQL, Microsoft VSS
MyRicoh Customer Portal	May 2011 – Oct 2013	Enhanced Oracle iStore/iSupport modules for online ordering, meter readings, and service requests.	Analyzed requirements, prepared technical documents, developed with JSP and JDBC, performed unit testing, and managed code in VSS.	JSP, Java, JDBC, Oracle 10g, PL/SQL, Microsoft Visual Source Safe, Remedy Ticketing Tool, TOAD

Personal Information

- **Gender:** Male
- **Marital Status:** Married
- **Visa Details:** H1B (Utilized for 2 years)