

Nikhil Palli

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Professional Summary

- Around 6 years of experience in designing, coding, development of web-based architecture, integrating and testing software (SDLC) using Java/J2EE.
- Extensive experience in multi-tier projects using J2EE, EJB, JSP, JSF, Servlets, JMS, Struts, JSTL, Hibernate, AWT/SWING, JDBC, SQL, MySQL, HTML / Java Script, AJAX, CSS, XML, Oracle.
- Experience in design and development of n-tier applications using various J2EE frameworks like Struts, Spring, JSF, Hibernate on Windows operating systems.
- Expertise in Client-side technologies such as HTML, DHTML, JavaScript, Applets, JFC/Swing.
- Expertise in backend server MySQL coding, implemented Stored Procedures, Functions, Triggers and Packages.
- Thorough knowledge of J2EE technologies and their implementations.
- Implementation of Jakarta Struts framework using MVC architecture.
- Experienced in implementing applications with Model-View-Controller (MVC) pattern using Jakarta Struts 1.1/2.0, Spring MVC and JSF.
- Experience in using various Web/Application Servers like Apache Tomcat, BEA WebLogic, IBM WebSphere and JBoss.
- Experience working with UNIX Shell Scripts.
- Experience Designing and developing persistence layer using Hibernate.
- Experience developing Web Services using XML, XSD, WSDL, SOAP using Apache Axis.
- Thorough experience in XML related technologies like XML, XSL, XSD, DTD, SAX, and DOM parsing usage.
- Experience creating presentation layer in the application using JSF framework.
- Developed J2EE applications on Eclipse IDE, WebLogic Workshop 8.1 and 9.2 and knowledge of other IDEs like JDeveloper 10.x and JBuilder 8.x.
- Experience in RDBMS concepts and worked extensively with Oracle 9i/8i/7.x and MySQL 5.x.

Technical Skills

- **Programming Languages:** Java (8/11/17/21), Python, JavaScript, SQL, Groovy
- **Java Frameworks:** Spring Boot, Spring MVC, Spring Security, Spring Data JPA, Hibernate, JSF, Struts
- **Enterprise Technologies:** RESTful APIs, SOAP Web Services, Microservices, Apache Kafka, RabbitMQ
- **Database Technologies:** MySQL, PostgreSQL, Oracle, MongoDB, Redis, JPA/Hibernate ORM
- **Web Technologies:** HTML5, CSS3, JavaScript (ES6+), jQuery, AJAX, JSON, XML, Thymeleaf, JSP
- **Cloud Platforms:** AWS (EC2, S3, RDS, Lambda, CloudFormation), Azure, Docker, Kubernetes
- **Build Tools:** Maven, Gradle, Jenkins, Git, GitLab CI/CD
- **Testing Frameworks:** JUnit, TestNG, Mockito, Selenium WebDriver, Postman
- **Application Servers:** Apache Tomcat, JBoss/WildFly, WebLogic, IBM WebSphere
- **Development Tools:** IntelliJ IDEA, Eclipse, VS Code, STS, JProfiler, SonarQube

Professional Experience

Dallas Baptist University (CRM Department)

Dec 2023 - May 2025

Enterprise System Administrator

Dallas, Texas

- Administered and customized Slate CRM system for student recruitment and admissions processes, managing complex database configurations and custom field implementations.
- Developed Java-based integrations and custom APIs to connect Slate CRM with university enterprise systems, ensuring seamless data flow between student information systems.
- Managed MySQL and PostgreSQL databases supporting Slate CRM operations, implementing performance optimization, indexing strategies, and automated backup procedures.
- Created custom database queries and stored procedures for Slate CRM reporting and data analytics, supporting enrollment management and student lifecycle tracking.
- Implemented database migration scripts and ETL processes using Java to synchronize data between Slate CRM and legacy university systems.
- Administered Slate CRM configuration management, including custom forms, workflow automation, and business rule implementation for admissions processes.
- Developed Java utilities for Slate CRM data validation, cleansing, and bulk operations, reducing manual processing time by 40%.

Pilg India Private Limited

Jan 2023 - Aug 2023

Java Developer

Hyderabad, India

- Architected and developed scalable enterprise Java applications using Spring Boot and microservices architecture with automated deployment pipelines.
- Implemented comprehensive backend solutions using Spring Data JPA, Hibernate, and MySQL for multi-tenant enterprise applications.

- Developed RESTful web services and SOAP APIs for third-party integrations, ensuring robust error handling and transaction management.
- Created automated testing frameworks using JUnit and Mockito for unit testing and integration testing of Java components.
- Optimized application performance using Redis caching, connection pooling, and JVM tuning techniques.
- Implemented enterprise security patterns using Spring Security, OAuth2, and JWT for secure API authentication.

Logro Scientific

Jan 2019 - Jan 2023

Software Engineer

Hyderabad, India

- Designed and implemented HIPAA-compliant Java applications for healthcare sector using Spring Boot, Spring Security, and enterprise design patterns.
- Developed and deployed production-grade Java applications using Spring MVC and Hibernate for medical instrument tracking systems with high availability requirements.
- Implemented comprehensive enterprise integration solutions using Apache Camel, JMS, and message queues for healthcare data processing.
- Administered application servers (WebLogic, JBoss) and enterprise databases with advanced monitoring and automated deployment strategies.
- Configured database-driven Java applications for complex healthcare data processing, implementing connection pooling and transaction management.
- Developed batch processing applications using Spring Batch for large-scale data migration and ETL operations.

Education

Dallas Baptist University

May 2025

Master of Science, Information Technology and Management

Dallas, Texas

- **GPA:** 3.9/4.0
- **Achievements:** First Place Winner - Competitive Cricket Tournament, demonstrating exceptional teamwork, strategic thinking, and leadership under pressure., ITM Course Ambassador - Represented the graduate program, organized academic and networking events to enhance student engagement and program visibility.
- **Coursework:** DevOps, Cloud Computing, Agile Project Management, Advanced Typescript, Tableau Data Visualization, Database-Management Systems, System Architecture

Academic Projects

NASA Telegram Bot | [Link](#)

Dallas Baptist University

- Developed a Spring Boot 3.5.5 Telegram bot using Java 17 that provides NASA's Astronomy Picture of the Day (APOD) on demand with real-time user interactions.
- Implemented RESTful API integration with NASA APOD API for fetching daily astronomy pictures and metadata, handling JSON parsing and error management.
- Built comprehensive Telegram Bot API integration with command handling (/start, /apod) and automated message processing using Spring Boot framework.
- Deployed application on Railway cloud platform with environment variable configuration and automated CI/CD pipeline for continuous deployment.
- Configured Maven dependency management and implemented proper logging and health monitoring endpoints for production readiness.

Environment: Spring Boot, Java, Telegram Bot API, NASA APOD API, Maven, Railway, Git/GitHub

Snake Game with JavaScript | [Link](#)

Dallas Baptist University

- Engineered a classic Snake game from scratch using vanilla JavaScript (ES6+), HTML5 Canvas for rendering, and modern CSS for a clean, responsive user interface.
- Implemented core game mechanics including snake movement with keyboard controls, collision detection (walls, self), and random food generation.
- Developed a real-time score tracking system with persistent high score storage using the browser's Local Storage API.
- Integrated a game state management system with smooth transitions between active play, pause, and game-over states, including a one-click restart functionality.
- Deployed the static web application on Vercel for high-performance global availability with a continuous deployment pipeline linked to GitHub.

Environment: JavaScript (ES6+), HTML5 Canvas, CSS3, Vercel, Git/GitHub