Palak Kalsi

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EDUCATION

Graduation

Chandigarh University
B.E in Computer Science

Aug 2019
Cum. GPA: 7.9

Higher Secondary Education

CBSE, New Delhi

April 2013
Percentage Scored in 10th - 92%
April 2015
Percentage Scored in 12th - 81%

LINKS

Github:// **palakkalsi**
LinkedIn:// **palakkalsi**
LeetCode:// **pkalsi**
GeeksForGeeks:// **pkalsi**
HackerRank:// **palak7**
Portfolio:// **palakkalsi**

SKILLS

Programming Languages:
Java•C# •C++• Python• SQL
HTML5• CSS3• Javascript
Utility Tools:
Linux•Git•Windows Forms(.NET)
Docker• Swagger•Jira•Postman
Perforce
Technology Stack:
Hibernate•Maven•Kafka•Redis
SpringBoot•REST APIs
Mockito•DataDog•Jenkins
OAuth•OpenAPI•Kubernetes
Cloud Technologies:
AWS (Lambda, EC2, ECS, IAM, SNS etc)
Azure(Functions, Service bus)
Database Management:
SQL Server•PostgreSQL
MongoDB

LANGUAGES

- English Proficient
- Punjabi Native
- Hindi Proficient

EXPERIENCE

TIETOEVRY | Software Engineer II

February 2022 – Current | Bengaluru, India (Remote)

Facility Management Application, CBRE (US)

- Collaborated within a team of 5 to develop a scalable facility management solution using Java SpringBoot, optimizing asset tracking and maintenance workflows, achieving a 25% improvement in work order processing efficiency.
- Automated purchase order generation and enhanced property data search capabilities, increasing overall operational efficiency.
- Improved data ingestion pipelines with Kafka for real-time data processing, reducing integration times by 18% and enabling seamless support for diverse customer requirements.
- Designed and implemented RESTful API endpoints to integrate third-party vendor systems, streamlining vendor management processes.

Claims Processing System, Axa (France)

- Developed a microservices-based Claims Processing service using .NET Core and C#, improving scalability and reducing deployment times.
- Automated claims validation workflows, reducing manual processing time by 54% and increasing data accuracy with real-time data checks.
- Implemented AI-powered fraud detection using ML.NET, decreasing fraudulent payouts by 36% and enhancing risk management.

TIETOEVRY | Software Engineer I

July 2019 - January 2022 | Chandigarh, India

Credit Score Analysis, Norges Bank (Norway)

- Developed a microservices-based platform for real-time credit score evaluation, reducing decision-making time by up to 20% through optimized data processing workflows and real-time data streams using Azure Service Bus.
- Improved application performance by 18% by integrating Redis caching to minimize database load and accelerate query execution.
- Designed a scalable microservices architecture using Kubernetes on Azure, improving overall platform stability and scalability.

PROJECTS

Personal Portfolio
Developed a dynamic portfolio website to highlight my web development expertise and provide a comprehensive overview of ongoing and completed projects.
Tags: JavaScript, HTML, CSS

Pathfinding Visualizer for Smart City Traffic Management
Developed an interactive application to optimize and visualize traffic flow in a smart city using pathfinding algorithms like A*, Dijkstra's, and BFS. Built a GUI using JavaFX for real-time simulation of dynamic traffic conditions, integrated with open data sources (e.g., OpenStreetMap) for realistic scenarios.
Tags: Java, JavaFX, Real-Time Simulation, OpenStreetMap

Geo-Location Based Event Notification System
Developed a "Geo-Location Based Event Notification System" that provides users with real-time notifications about events, offers, or alerts based on their current location. Implemented geo-fencing and WebSocket communication for dynamic location tracking and instant notification delivery.
Tags: Java, Spring Boot, WebSockets, Firebase Cloud Messaging, PostgreSQL, Thymeleaf