# Vineet Pareek

## Senior IT Consultant

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## Professional Profile

Experienced Software Developer with 12+ years of success designing and delivering enterprise-grade applications across cloud platforms and modern technology stacks. Proven expertise in developing scalable, secure, and high-performance solutions by closely aligning software architecture with evolving business needs.

Skilled in modernizing legacy systems, building cloud-native applications, and contributing to agile teams through strong collaboration and end-to-end ownership of the development lifecycle. Adept at translating complex functional requirements into robust, maintainable code that drives business value.

## Technical Skills

- **Programming & Frameworks:** Java, JVM, Spring Boot, Spring MVC, Spring AI Hibernate, Prime Faces, JUnit
- **Databases:** Oracle, MySQL, PostgreSQL, Cassandra, MongoDB
- **Tools & Technologies:** Docker, Kubernetes, Git, Jenkins, Jira, Confluence, AWS (EC2, S3, Lambda, RDS, Bedrock, SageMaker), REST, GraphQL, Kafka, OIDC, SAML, HTTP, REST, Kafka, RabbitMQ, AMQP, MQTT
- **Methodologies:** Agile, Scrum, CI/CD, Microservices, Test-Driven Development (TDD)
- **Business Analysis:** Requirements gathering, stakeholder workshops, process mapping (BPMN), user stories, backlog management (Scrum/Kanban)

## Work History

**10/2025 – Ongoing**

**Self-Driven AI Product Development**
**Intelligent RFP Summarization Platform**
Building a generative-AI powered backend platform to simplify RFP analysis and automate document insights for enterprise sales teams. The system processes PDF/Word documents, extracts content using Spring AI Document Readers, performs chunking + embeddings, and stores them in a vector database (pgvector) for semantic search.

**Technologies**: Java 21, Spring Boot 3, Spring AI, OpenAI GPT-4.1, PostgreSQL + pgvector, Docker, AWS S3, Lambda, Redis Cache, Elasticsearch, Kubernetes, GitHub Actions CI/CD

- Designed microservices using Spring Boot 3 & Spring AI for LLM-based Q&A, summarization, and recommendation generation.
- Implemented an AI agent workflow that performs: document ingestion → text extraction → embedding → vector search → answer generation.
- Built a scalable ingestion pipeline using AWS S3 + Lambda triggers to process documents asynchronously.
- Implemented semantic search using pgvector + Elasticsearch (hybrid search).
- Containerized services using Docker and deployed to Kubernetes with auto-scaling.
- Integrated API Gateway + JWT-based auth.
- Added CI/CD pipeline with GitHub Actions for automated build/test/deployment.

06/2021 – 10/2025    Senior IT Consultant
**Nagarro ATCS GmbH** - nagarro.com | Stuttgart
A web application to manage high-value fleet customers with tailored pricing, service agreements, and centralized customer data.

- Implemented OIDC-based authentication and authorization to enable secure login for Account Managers and Retailers, with dynamic access control based on user roles and permissions.
- Designed and developed RESTful APIs to validate and process customer data before it enters core systems, ensuring data integrity and compliance with business rules.
- Created and scheduled automated cron jobs to perform critical background tasks, including user unlock operations and the generation of business reports regularly.
- Built a consent management module that allows users to provide communication preferences, enabling GDPR-compliant data sharing across the company's digital ecosystem and chosen communication channels.
- Developed functionality to calculate and distribute retailer compensation based on quarterly performance metrics, integrating complex business logic and payout rules.
- Contributed to architectural design improvements to enhance application performance, scalability, and maintainability by optimizing data flow, caching, and service orchestration.

09/2023 – 12/2024    Senior IT Consultant
**Nagarro ATCS GmbH** - nagarro.com | Stuttgart
Built a system to manage and track repair packages for Mercedes-Benz

vehicles, ensuring valid parts and correct quantities are used.

- Developed and maintained scalable data processing workflows using Python, integrating with AWS services like S3, Amazon EMR, and Lambda for efficient batch processing and storage.
- Participated in the migration of big data workloads from Azure HDInsight to AWS, working closely with architects to gather requirements, define system architecture, and ensure smooth deployment.
- Built and optimized ETL pipelines on Amazon EMR, ensuring data accuracy and integrity through automated validation scripts and backup verification processes.
- Automated repetitive tasks by developing Python-based utilities, reducing manual workload, and improving data pipeline reliability and maintainability.

07/2023 – 09/2023   Senior IT Consultant
**Nagarro ATCS GmbH** - nagarro.com | Stuttgart
Built a system to monitor home heating, reduce energy costs, and ensure Comfort by adjusting the temperature based on usage. It tracks energy use in real time and generates accurate invoices automatically.

- Replicated and resolved data display issues in the invoicing system by setting up local infrastructure and debugging code.
- Delivered accurate outputs to the client by identifying root causes and applying targeted fixes in the application.
- Improved team collaboration by explaining the issue and resolution to dev and QA teams through walkthroughs and support.

01/2020 – 08/2021   IT Consultant
**Nagarro ATCS GmbH - nagarro.com | Stuttgart**
Developed Fleet Beyond, a digital tool to improve fleet maintenance and Invoicing by automating approvals, centralizing billing, and reducing errors

- Designed and implemented the core application framework from scratch, developing reusable libraries, utility classes, and base components to standardize development across modules.
- Designed and exposed RESTful APIs for secure and efficient communication between client and server, supporting modular integration with external systems.

01/2016 – 12/2020   Senior Software Developer
**ATCS** - Bengaluru, India
Designed and developed REST APIs for authentication/authorization on

Tomcat, integrating with SiteMinder via an abstract security layer.

- Improved system security and stability by supporting Tomcat, JBoss, and WebSphere servers with Java plugins and SAML validation.
- Streamlined development and delivery by leading Scrum ceremonies, managing CI/CD pipelines with Jenkins, and ensuring quality through testing and documentation

08/2013 – 12/2015    Java Developer
**Truegether - Jaipur, India**
Built and enhanced a service marketplace platform, enabling secure buying and selling of everyday services, improving user engagement, and transaction reliability.

- Developed core application features using Spring, Hibernate, JSP, and Solr improved service search speed by ~30% through optimized indexing.
- Integrated Facebook Login/Share, CCAvenue & PayPal gateways, and JMagick image processing, enabling seamless user onboarding and 20% faster transaction completion.

## Education

03/2008 – 05/2011    Master of Computer Applications
Cochin University of Science and Technology
Kerala India

## Additional Skills & Interests

**Languages**
- English (C1), German (B1)

**Certifications**
- AWS Certified Solutions Architect – Associate
- AWS Certified Machine Learning Engineer - Associate
- AWS Certified Cloud Practitioner
- AWS Certified AI Practitioner
- The AWS Well-Architected Framework – LinkedIn
- Project Management Essentials Certified, MSI
- Datorma Admin Specialist, Salesforce