**IMDAD AREEPH**

📧 imdadareeph@gmail.com | 📱 +971-507605159

🌐 [imdadareeph.com](http://www.imdadareeph.com) | [LinkedIn](https://www.linkedin.com/in/imdadareeph/) | [GitHub](https://github.com/imdadareeph)

**SUMMARY**

I am a software developer with 11+ years of experience in **event-driven application development, microservices, and AI-powered ecosystems**. Currently, I am working on **designing an AI ecosystem for enterprise deliverables** while leading **event-driven solutions using Solace, WebFlux, and reactive frameworks** for Emirates Airlines’ flight booking platform.

* Specialist in **event-driven architectures** (Solace, Kafka, RabbitMQ) with **Reactive frameworks (Spring WebFlux, Project Reactor)**.
* Skilled in **solution design, architectural flows, and technical implementations** for large-scale booking and payment systems.
* Experienced in building **AI ecosystem components** – RAG, LangChain4j, PGVector, Neo4j – for enterprise-grade automation.
* Contributor to the **open-source community**, publishing **applications, articles, and tutorials** on AI and event-driven systems.

**TECHNICAL SKILLS**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | **Skills** | **Experience Details** | | --- | --- | | **Programming Languages** | Java 17, Java 11, Java 1.8 | | **Architectural Style** | Microservices, **Event-Driven Systems (EDA)**, Reactive Systems, RESTful, SOAP | | **Event-Driven & Messaging** | **Solace, Apache Kafka, RabbitMQ**, Event Sourcing, CQRS, Async Messaging | | **Reactive Frameworks** | **Spring WebFlux, Project Reactor**, Functional Programming in Java | | **AI/ML & Ecosystems** | AI Ecosystem Design, **Retrieval-Augmented Generation (RAG)**, LangChain4j, Ollama, Vector DBs (PGVector, Neo4j) | | **Frameworks & Libraries** | Spring Boot, Spring Cloud, Spring Integration & Messaging | | **Security** | Spring Security, Keycloak, JWT, OAuth2 | | **Databases** | PostgreSQL, Couchbase, MariaDB, MongoDB, Oracle, MySQL | | **Observability & Monitoring** | OpenTelemetry, Prometheus, Grafana, Jaeger, Splunk, AppDynamics, Micrometer | | **DevOps & Cloud** | Docker, Jenkins, Spinnaker, Red Hat OpenShift, Vault, GitLab CI/CD, AWS, Azure | | **Tools & Development** | IntelliJ, Postman, SoapUI, Swagger, SonarQube, Maven, GIT, SQL Developer, JIRA | | **Others** | Design Patterns, SOLID Principles, System Architecture & Design | |

## EXPERIENCE

### Senior Java Developer – Emirates Airlines

*Dubai, UAE | Aug 2018 – Present*

**Project:** Emirates Internet Booking Engine (Flight Booking System)

* Designing an **AI-powered delivery ecosystem** for requirement analysis, PRD generation, and automated pipelines.
* Building **event-driven microservices** using **Solace, WebFlux, Spring Boot, and Java 17** for flight booking, ancillary, and payments.
* Defined **solution architectures, technical flows, and system designs** for large-scale event-driven applications.
* Migrated legacy services to **event-driven and reactive models**, improving scalability and SLA compliance.
* Integrated **monitoring & observability** with OpenTelemetry, Jaeger, and Grafana.
* Mentored teams on **event-driven patterns** and **AI adoption in enterprise delivery flows**.

### Senior Software Engineer – Emirates NBD (Virtusa)

*Dubai, UAE | Jul 2016 – Jun 2018*

**Project:** EmiratesNBD Online Banking System

* Developed modules for **Payments, Transfers, Beneficiary management, Loans, and Face Banking**.
* Built **REST APIs** integrated with Finacle, TIBCO, Vision Plus, and CRM.
* Migrated banking services into **microservices**, deployed on **Docker + Kubernetes**.
* Secured APIs with **Spring Security, JWT, OAuth2**.

### Software Engineer – Mastercard

*Vadodara, IN | Jan 2016 – May 2016*

**Project:** Masterpass (Digital Payment Wallet)

* Developed **REST APIs and services** with Java 8, Spring Boot, JPA for Mastercard’s **Masterpass wallet**.
* Simplified secure checkout across **web, mobile, and in-store**.
* Followed **Agile (Rally)**, enforced **SonarQube quality gates**.
* Tools: Confluence, Bamboo, Bitbucket, Flowdock.

### Senior Software Engineer – Capgemini

*Bangalore, IN | May 2014 – Jan 2016*

**Project:** LITE (Virtualization Testing Tool)

* Developed **JSFs, Backing Beans, Service Classes** with Spring + Hibernate.
* Applied **Design Patterns (Strategy, Facade, MVC, Proxy)**.
* Built a **browser & OS compatibility testing platform** for enterprise applications.

### Senior Software Engineer – Swizcom Technology Pvt. Ltd.

*Bangalore, IN | May 2013 – Apr 2014*

**Project:** MediSwiz HMS (Hospital Management System)

* Built **hospital management system modules** with Spring + Hibernate.
* Researched **Spring Security, JMS, memory management**.

### Software Engineer – ICT Health Pvt. Ltd.

*Bangalore, IN | Dec 2011 – Apr 2013*

**Project:** Hinai Web (Hospital Information System)

* Developed a **cloud-based HIS** using Spring, Hibernate, JSF.
* Designed backend logic, domain models, and database scripts.

### Interests & Projects

* **AI & Software Engineering**: You’re deeply involved in building AI-enhanced platforms. This includes:
  + Voice-enabled chatbot widgets (for airline booking and medical appointments).
  + RAG (Retrieval-Augmented Generation) systems with LangChain, Neo4j, and PGVector.
  + Java Spring Boot microservices (WebFlux, CQRS, Kafka streaming, Solace messaging).
  + ReactJS frontends, including Carbon Design System and Next.js.
* **Developer Tools & Automation**:
  + You’re exploring tools like Cursor AI, Claude SDK, and GitLab to automate project workflows.
  + You aim to build something similar to **Lovable.ai** or **Replit**, blending AI with the SDLC.
* **Organizational AI Systems**:
  + You’ve mentioned plans to create an AI-powered ecosystem—from PRD generation to deployment—automating and tracking requirements, tasks, and code changes.

### Your Technical Stack

* **Backend**: Java 17, Spring Boot, Spring WebFlux, Spring AI, Kafka, Solace, FIX protocol.
* **Frontend**: ReactJS, Next.js, Tailwind, Carbon Design.
* **AI/ML**: LangChain4j, Ollama, RAG systems, fine-tuning models.
* **Databases**: PostgreSQL, H2, Couchbase, MariaDB, PGVector, Neo4j.
* **DevOps**: Docker Compose, Kubernetes (implied), local-first development (e.g., no cloud APIs).
* **Project Structures**: You work with multi-module Maven setups and microservice separation (e.g., auth, admin, inference, frontend).

### Recent Initiatives

* Building a **Cursor plugin** to integrate PRD, task management, and AI workflows.
* Creating a **Git repo-based AI task tracking system**, using Markdown (TSK-001.md, etc.), tracked via stages (Incubator → Final).
* Developing **Manim-based explainers** for ML concepts like attention mechanisms.
* Creating **soft skill presentations** (e.g., “3 Cs – Courage, Confidence, Camouflage”) tailored for IT teams.

### Professional Traits (as inferred)

* You’re strategic and hands-on, often building from scratch.
* You move fast but with a focus on structure and best practices.
* You value **configurability**, **local control**, and **automation**.
* You aim to **streamline workflows** across teams, not just write code

### What I Build

* **AI-Augmented Development Platforms** – I’m currently building a local-first AI system similar to *Lovable.ai* and *Replit*, automating everything from PRD generation to implementation and deployment, using tools like Spring AI, LangChain4j, PGVector, and Neo4j.
* **Voice-Enabled Assistants** – I’ve designed voice-enabled chatbot widgets for airline and healthcare apps that automate UI actions, extract structured intents, and integrate with Spring AI backends and n8n workflows.
* **Domain-Focused AI Agents** – From airline bookings to doctor appointments, I create domain-specific agents using Retrieval-Augmented Generation (RAG), fine-tuned prompts, and vector DB-backed inference systems.

### Recent Work

* **AI Task Tracker with Git Integration** – Markdown-based task system (TSK-001.md → Final) with tracked AI model usage.
* **Spring AI Kafka System** – Microservice architecture with producer/consumer apps, file uploader UI, and streaming events.
* **Cursor Plugin** – Embedding AI workflows and PRDs directly into dev environments.
* **FIX Protocol System** – Java-based FIX 4.4 integration with order cancel support, persistence, and web interface.

## PROJECTS & OPEN-SOURCE CONTRIBUTIONS

* [**UAE Gems**](https://uaegems.raihanabegum.com/) – Local attractions discovery app
* [**DevUtilz**](https://devutilz.raihanabegum.com/) – Developer utilities suite
* [**VibeConnect**](https://vibeconnect.raihanabegum.com/) – AI-driven collaboration platform
* [**DevPrompts**](https://devprompts.raihanabegum.com/) – AI prompts library for developers
* [**Pet Tracker**](http://pet.imdadareeph.com/) – Expense tracking app

**GitHub:** [github.com/imdadareeph](https://github.com/imdadareeph)

## KNOWLEDGE SHARING & CONTENT

* **Articles**: [LinkedIn Articles](https://www.linkedin.com/in/imdadareeph/recent-activity/articles/)
* **YouTube Channels**: [VibeCoders](https://www.youtube.com/@vibecoders), [Electrify with Me](https://www.youtube.com/@ElectrifywithMe)
* **Courses & Blogs**: AI, event-driven systems, and microservices tutorials
* **Website**: [imdadareeph.com](https://www.imdadareeph.com/)

## CERTIFICATIONS & AWARDS

* Solace Event-Driven Architecture Certification
* Linux Expert Certification
* Java Certification
* Awards: Najim Award for Excellence, GEM Award, Client Appreciations

## EDUCATION

**B.E. Computer Science Engineering**, VTU Karnataka, 2011