

ARVIND DIVAKAR

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SUMMARY

Software Engineer with **3+ years** of experience in logistics, finance, and enterprise applications, specializing in backend and full-stack development. Skilled in **Java, Spring Boot, REST APIs, PostgreSQL**, and frontend frameworks including **React.js, Redux, and Angular**. Experienced in **Python, Flask, Scikit-learn, and LLM frameworks** for AI automation, NLP, and data processing. Proficient in **Snowflake, SQL, MongoDB, AWS, Jenkins, Docker, Kubernetes, Power BI, and Tableau** for cloud integration, automation, and analytics.

EXPERIENCE

Software Engineer | ePost Global LLC | USA

February 2025 – Present

- Engineered a multi-agent AI system using **LangGraph, Gemini and open-source LLMs** to automate query handling for **10,000+ daily shipment queries**, reducing manual support workload.
- Tuned prompts and natural language processing pipelines in Python to generate scalable SQL queries over **Snowflake schemas**, improving model accuracy for buyer & parcel data across **20 carrier regions**.
- Integrated AI agents with MCP server and databases (Snowflake, SQLite), enabling real-time access to logistics data and computing automated insights for **8 major shipping hubs**.
- Devised N8N workflows to automate reporting pipelines, accelerating report generation from **4 hours** to under **30 minutes** and enabling stakeholders across **3 departments** to receive up-to-date dashboards.

Software Engineer | Adani | India

June 2022 – May 2023

- Architected financial microservices using **Java, Spring Boot, and REST APIs**, optimizing request routing and caching to maintain **200 ms latency** under transactional loads.
- Automated CI/CD pipelines with **Jenkins, Docker, and Kubernetes**, reducing deployment cycles from **20 to 10 minutes** and accelerating release readiness.
- Embedded **3 external financial APIs** via secure **Spring Boot services**, enabling real-time data exchange across distributed modules.
- Designed persistence with **Spring Data JPA and PostgreSQL**, building reusable repositories that processed **1.2M+ monthly transactions** while maintaining SLA compliance.

Software Engineer | HighRadius Corporation | India

January 2022 – April 2022

- Developed a Receivables Dashboard in **ReactJS and Java**, supporting CRUD operations, search, and visualizations for **5,000+ invoices**, enabling finance teams to monitor B2B transactions efficiently.
- Trained a machine learning model in **Python (Scikit-learn)** on **120K+ historical invoices**, applying preprocessing, EDA, and feature engineering to forecast payment timelines at account and buyer levels.
- Coordinated the ML prediction service with the dashboard via **Flask APIs**, delivering forecasted payment dates for **3,000+ active invoices monthly**, reducing manual review workload for analysts.

Frontend Developer | Trigent Software Pvt. Ltd. | India

January 2021 – January 2022

- Built responsive web interfaces with **React.js, JavaScript, HTML, and CSS**, delivering **30+ application screens** across **3 client projects** with consistent performance on desktop and mobile.
- Designed reusable UI components using **Bootstrap or Material-UI** (per client requirements), cutting redesign effort for **25+ features** and accelerating delivery timelines by **2 sprint cycles**.
- Validated **cross-browser compatibility and WCAG accessibility** on **4 browsers and 6 mobile devices**, resolving **40+ UI defects** before production release.
- Implemented **RESTful APIs** with React frontends to populate dashboards, powering **12 adaptive modules** with tables and charts that supported **200+ daily business users** in data exploration.

TECHNICAL SKILLS

Programming Languages:	Java, Python, TypeScript, JavaScript
Web Development:	HTML5, CSS3, Bootstrap, Material-UI, XML, JSON
Frontend Frameworks & Libraries:	React.js, Angular, Redux, React Hooks
Backend & Middleware:	Spring Boot, Node.js, Express.js, Flask, RESTful APIs
Databases & Data Platforms:	MySQL, PostgreSQL, MongoDB, Snowflake, NoSQL
Cloud & DevOps Tools:	AWS (CodePipeline, CodeDeploy), Jenkins, Docker, GitHub, Git
Project Management & Methodologies:	JIRA, Agile (Scrum, Kanban), Waterfall
Testing & QA:	Jest, Enzyme, Postman
Data Visualization & Analytics:	Tableau, Power BI, MS Excel

PROJECTS

Real-Time Cryptocurrency Trading Platform: Developed a trading application with Spring Boot, React/Redux, and MySQL, integrating **24 REST APIs**, CoinGecko ingestion of **100K+ price points daily**, 2FA, and payment gateways, supporting **200 concurrent users** and processing **3,700+ trades** with a **1.1s** median order time.

AI Image Generation App: Engineered a MERN-stack image generation platform using OpenAI API and Cloudinary, enabling community sharing and secure downloads, producing **1,000+ images** across **180 sessions** with a **4.2s** median render time and **300+ successful downloads**.

EDUCATION

Illinois Institute of Technology | Chicago, IL

August 2023 – May 2025

Master of Science in Computer Science (Artificial Intelligence)

SRM Institute of Science and Technology | Chennai, India

June 2019 – May 2023

Bachelor of Technology in Computer Science and Engineering