

Arjun Chakravarthy

Software Developer

Senior Software Engineer with 7 years of expertise in **scalable backend architectures, microservices** and **AI-driven integrations**. Skilled in **cloud-native technologies** (Docker, Kubernetes, Serverless), **search intelligence**, and high-performance **distributed systems**. Passionate about **DevOps automation and continuous optimization**.

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WORK EXPERIENCE

Senior Software Development Engineer

Walmart Inc.

09/2021 - Present

Bangalore, Karnataka, India

Description

- Optimized **Warehouse Management Systems (WMS)** in Walmart's **Supply Chain** Technology division by designing and implementing **microservices-based backend** solutions with **Java Spring Boot**, enhancing DC **operational efficiency** and automation .
- Enhanced Walmart's **WMS functionalities** across inbound (**slotting, receiving**) and outbound (**picking, order fulfillment**) workflows, along with **financial reconciliation and inventory control** .
- Led the **end-to-end design and deployment** of DC launches, implementing **RESTful APIs**.
- Proactively troubleshooted ~15 **DC issues** per week during hypercare, implementing **effective workarounds** to maintain **smooth warehouse operations**.
- Integrated API-driven **AI capabilities** into Honeywell's **voice-assisted** framework using **Python-based services** hosted on **GCP**, enabling **natural language processing (NLP)**-powered execution of warehouse tasks .
- Spearheaded the **mechanization** of warehouse operations, integrating **Automated Storage & Retrieval Systems (AS/RS)**, via distributed architecture deployed on **Microsoft Azure** boosting **operational efficiency by 300%**.
- Re-architected a **critical supply chain component** using a **cloud-based master-node architecture**, delivering **400x performance improvements** in order processing.

Software Development Engineer III

FactSet Research Systems Inc.

06/2018 - 09/2021

Hyderabad, Telangana, India

Description

- Implemented **containerised troubleshooting environments**, streamlining **testing efficiency** and reducing infrastructure dependencies.
- Developed an **AWS Lambda-powered monitoring system** integrated with **MS Teams**, enabling real-time **AWS resource tracking**, saving **\$4,000/month in operational costs** .
- Actively contributed to **product development**, including **specification, design, coding, code reviews, testing, and DevOps** .
- Optimized large-scale search by implementing AI-powered **ElasticSearch indexing**, reducing query time from hours to milliseconds, **making glacier data searchable**.

EDUCATION

Bachelor of Technology - Computer Science

Jawaharlal Nehru Technological University

2014 - 2018

Hyderabad, Telangana, India

SKILLS



PROJECTS

Self-Hosted GenAI Infrastructure

- Architected a **private LLM environment** using Docker & Llama 3.1, eliminating **cloud API costs** to enable **cost-free intelligence** and secure local inference.
- Deployed a **Dockerized Open WebUI**, providing a responsive interface that enables seamless user interaction with **local LLMs** .
- Published **live prototype access** on the personal portfolio linked above.

IntelliShop

- Engineered a **context-aware personalization engine** using Geofencing & Android SDK, delivering real-time, **predictive product recommendations** that increased user engagement by 20%.

Liquibase Automation Framework

- Implemented **Database DevOps**, automating **schema migrations and versioning** , ensuring **near-zero discrepancies** across multi-region deployments.

AWARDS AND RECOGNITIONS

Excellence and Bravo Award (2023 - 2025)

Awarded **two excellence + three performance-based recognitions (bravo)** for ranking in the **top 2% of department performers**, consistently delivering high-impact solutions.

Badgify Recognitions (2021 - 2025)

Ranked among the **top 3 most awarded employees** in a row in the department.

Hackathon Contributions (2021 - Present)

Secured top placement in quarterly hackathons, developing **GenAI-powered applications** leveraging **RAG architectures** and **LLMs** for real-time decision making.

SOFT SKILLS

Effective Communication

Proactive Problem-Solving

Fast-Paced Adaptability

Collaborative Teamwork