

# Arjun Chakravarthy

## Software Developer

Senior Software Engineer (6+ years) specializing in **scalable backend systems**, **microservices**, and **AI integrations**. Expertise in **cloud-native technologies**, **search intelligence**, and **distributed systems**. Passionate about DevOps and continuous improvement.

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## WORK EXPERIENCE

### Senior Software Development Engineer Walmart Inc.

09/2021 - Present

Bangalore, Karnataka, India

#### Description

- Worked in Walmart's **Supply Chain Technology** division, focusing on **Warehouse Management Systems (WMS)** that drive operational efficiency across distribution centers (DCs).
- Enhanced Walmart's **WMS functionalities** across **inbound (slotting, receiving)** and **outbound (picking, order fulfillment)** workflows, along with **financial reconciliation and inventory control**.
- Led **end-to-end design and implementation** for multiple **DC launches**, handling **high-level** and **low-level optimizations** to improve efficiency.
- Earned recognition for **rapid issue resolution** to support **DC floor operations**, ensuring minimal disruptions.
- Developed **API-driven AI integrations** to enable **Honeywell's voice-assisted** warehouse picking, converting **natural language prompts** into **executable warehouse actions**.
- Spearheaded the **mechanization** of warehouse operations, integrating **Automated Storage & Retrieval Systems (AS/RS)**, 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

- Introduced **Virtualization based debugging**, transforming **testing efficiency** for internal development environments.
- Developed an **AWS Lambda-powered monitoring system** integrated with **MS Teams**, enabling real-time **AWS resource tracking**, saving **\$4,000/month** in operational costs.
- Modernized **monolithic workflows**, designing **RESTful web services** and optimizing **CI/CD pipelines** for better automation.
- 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

Java

Spring Boot

Microservices

Maven

Generative AI

Computer Vision

Cognitive Search

AWS/Azure

Lambda

SQL

S3

Sockets

Docker

Kubernetes

Kafka

MQ

Sonar

Heroku

Jenkins

GitHub

Groovy

Kibana

Liquibase

Observability

CI-CD-CT

DevOps

## PROJECTS

### IntelliShop

- AI-powered in-store proximity recommendation system using **Google Firebase & Android** SDK, enhancing user experience and increased user engagement by 20%.

### Liquibase Automation Framework

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

### TestHive

- Onboarded a **Docker-based orchestration platform** for deploying 35+ microservices, enabling isolated, reusable test environments and reducing **cross-team conflicts**.

### Webterminal

- Developed an experimental server enabling **remote command execution, configuration, and real-time monitoring**.

## AWARDS AND RECOGNITIONS

### Bravo Award (2023 - 2025)

Awarded **three performance-based recognitions** 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)

Won **multiple quarterly hackathons**, developing innovative and high-performance solutions.

## SOFT SKILLS

Effective Communication

Proactive Problem-Solving

Resilient & Persistent

Fast-Paced Adaptability

Accountability & Ownership

Attention to Detail