Arjun Chakravarthy
Software Developer

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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**.

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**, 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 **end-to-end design and deployment** for multiple **DC launches**, driving both **architectural improvements** and **low-level optimizations** to maximize efficiency.
- Proactively troubleshot **~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**, enabling natural language processing **(NLP)-powered execution** of warehouse tasks.
- 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

- 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** .
- Modernized **monolithic workflows**, , designing **RESTful APIs** and optimizing **CI/CD pipelines** to enhance automation and deployment speed.
- 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   SpringBoot   Cloud   Microservices   Generative AI   Cognitive Search   Computer Vision   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 **microservice orchestration platform** for deploying 35+ backend services, enabling **isolated, reusable** 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