

# ASHISH KSHIRSAGAR

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## SUMMARY

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Software Engineer with 5+ years at Microsoft, Amazon, and Barclays designing Java, Spring Boot and microservices-based enterprise systems at consumer scale. At Amazon, architected distributed Java/Scala REST services on Kafka/DynamoDB serving 10B+ low-latency requests/year; at Microsoft, drove LLM-powered log triage cutting cost 9x and MTTR 30%. Strong in concurrent programming, REST API design, data caching, and secure scalable backend platforms.

## WORK EXPERIENCE

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### Microsoft Corporation

Software Engineer

July 2024 - Present

Seattle, WA

- Mitigated 15+ Windows OS update issues by leading incidents and WinDbg post-mortems.
- Reduced recovery-update MTTR by 30% by building a C++ CI validation pipeline in Azure DevOps.
- Cut on-call onboarding from weeks to days by standardizing runbooks and SLO playbooks into repeatable triage procedures.
- Reduced LLM-based log-triage cost by 9x by implementing routing and prompt templates while preserving signal.

### Amazon Development Center India Pvt Ltd

Software Development Engineer II

October 2021 - August 2022

Bangalore, India

- Enabled launch of a new UK payment method for 80K customers by owning end-to-end delivery across Scala services and AWS integrations.
- Scaled distributed payment components to 10B+ annual requests by architecting Java services backed by DynamoDB and automating operational telemetry.
- Reduced payment-method onboarding effort from 3 months to 2 weeks by driving app-to-app redirection/fallback design and coordinating away-team changes.

### Barclays Global Service Pvt Ltd

Software Developer

July 2019 - September 2021

Pune, India

- Reduced QA effort by 33% by automating CI/CD and test pipelines for Java Spring services.
- Supported 5M+ US customers by owning Java services and production operations.
- Automated 20% of fraud workflows by delivering APIs and integrating Python services with React/Node.js and MySQL.

## INTERNSHIP EXPERIENCE

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### Tesla Inc

Software Engineering Intern

January 2024 - May 2024

San Francisco Bay Area, California

- Reduced quoting manual effort by 60% and increased throughput by 30% by building a containerized .NET/C# service for Megapack (Docker, Kubernetes, Kafka; PostgreSQL, MongoDB).

### Google LLC

Software Engineering Intern

May 2023 - August 2023

Sunnyvale, California

- Improved p99 latency by 5% for a product serving 1B+ users by developing journey APIs (Java, Protobuf/gRPC) on GCP.

## EDUCATION

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### Arizona State University, Tempe, Arizona, USA

Master of Science in Computer Science (GPA: 4.0/4.0)

August 2022 - May 2024

### Pune Institute of Computer Technology, Pune, India

Bachelors of Engineering in Computer Engineering

July 2015 - May 2019

## TECHNICAL SKILLS

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**Programming Languages** Java, Go, C++, C#, Python, JavaScript, Scala

**Frameworks & Libraries** .NET, Java (Microservices, Spring), React, Node.js

**Databases** DynamoDB, MySQL, PostgreSQL, MongoDB

**Tools & Platforms** Git, Docker, Kubernetes, Kafka, gRPC, GCP, Azure, Azure DevOps, WinDbg (post-mortem debugging)

## PROJECTS

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### klarEDA

- Automated common EDA steps by building an open-source Python library with one-call preprocessing and visualization.

### High-Throughput Graph Processing Pipeline

- Improved graph-processing throughput by 50% by designing a real-time pipeline (C++, Docker, Kafka, Neo4j).