

# Adhip Kashyap

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Full Stack Engineer with 4 years of experience designing high-performance web applications. Eager to leverage technical expertise to drive innovation and efficiency in software engineering projects.

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## Technologies and Languages

**Languages:** Java, Python, C/C++, TypeScript, Rust, PHP, GoLang, NodeJS.

**Cloud & DevOps:** AWS (S3, DynamoDB, Lambda, IAM, CloudFormation, SQS, SNS), Azure, Databricks, Github CI/CD, DigitalOcean, Kubernetes, Docker, Terraform, CI/CD, GCP, Azure.

**Frameworks & Libraries:** Spring Boot, Next.js, React.js, Django, FastAPI, TensorFlow, PyTorch

**Databases:** MySQL, PostgreSQL, MongoDB, Cassandra, DynamoDB, SQLite

**Other:** Git, Postman, Bash Scripting, Linux, JIRA, Test-driven Development.

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## Work Experience

### Teaching Solved, Tempe, AZ

Founding Engineer

Aug 2024 – Present

Next.js, React, Tailwind, PostgreSQL, AWS Lambda, S3, Stripe, Clerk, Posthog, Google analytics, Sentry

- Designed and implemented a full-stack platform for teachers to create, share, and sell language resources – integrating authentication, payments, file management, analytics, and error tracking to serve 1,000+ educators.
- Developed a custom RAG solution to enhance search results based on cultural and linguistic relevance.

### InduzBuy, Bangalore, India

Software Engineer Intern

May 2023 – Aug 2023

Laravel, EC2, BERT, Python, TensorFlow

- Improved modularity and cut feature lead time by 20% by migrating from core PHP to Laravel.
- Reduced data processing time from 30 mins to 30 secs with a 95% accurate BERT-based model.
- Decreased deployment errors by 40% by automating EC2 deployments via bash scripting.

### ICICI Lombard GIC, Bangalore, India

Software Engineer

Oct 2019 – Aug 2022

Java, Spring Boot, Neo4j, Redis, SQL, React.js, React Native

- Reduced AWS costs by 30% by migrating a monolith to microservices with auto-scalers.
- Improved insurance premium computation speed by 40% using a Neo4j-based decision tree.
- Cut call center revenue loss by 20% during COVID by building a React Native CRM app for sales teams.

### Autoninja, Bangalore, India

Software Engineer

Jan 2019 – Oct 2019

Java, Spring Boot, ELK Stack, Sentry

- Decreased support calls by 20% by developing real-time car delivery tracking.
  - Reduced error response times by 70% by implementing internal ELK dashboards to catch misconfigurations in customer deployments.
  - Cut ticket resolution time by 15% by optimizing customer support processes.
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## Education

• M.S. Computer Science, Arizona State University, Tempe

2022 – 2024

• B.Sc. Mechanical Engineering (Minor: CS), PES University, Bangalore

2015 – 2019

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## Projects

### Open Source MathNotes Application

Feb 2025

Python, TensorFlow, tldraw, pic2text, Sympy

- Created an open-source MathNotes application to automatically solve handwritten university-level mathematical equations with an accuracy of 85%.

### Scalable Data Processing Pipeline

Jan 2023

Apache Spark, Kubernetes, Scala, Hadoop, Neo4j

- Leveraged 10M+ NYC taxi records and created an ETL pipeline to model trip patterns using PageRank and hotspot detection.