# Adhip Kashyap

https://adhipk.dev linkedin.com/in/adhip-kashyap qithub.com/adhipk

Results-driven Full Stack Engineer with 4+ years of experience designing and developing high-performance web applications. Available to start immediately. Open to Relocation.

## Technologies and Languages

- Languages: Java, Python, C/C++, Typescript, Kotlin, Rust, PHP
- Framework and Libraries: NextJS, Angular JS, React JS, JUnit, RESTful Web Services, Spring Boot, PyTorch, TensorFlow, JAX, GraphQL, Django, FastAPI.
- Databases: MySQL, NoSQL (MongoDB, Cassandra), DynamoDB, SQLite.
- DevOps and Containerization: Docker, Kubernetes, CI/CD Pipelines and automation frameworks, Jenkins, AWS DevOps (CloudWatch, S3 Bucket, DynamoDB, Lambda, SNS, SQS, DLQ, Cloud Formation, IAM Roles and Policies)
- Tools and Technologies: Git, Postman, Maven, Bash Scripting, Linux, Terraform, JIRA

## **Work Experience**

Teaching Solved, Tempe, AZ

Aug 2024 - Present

Full Stack Software Engineer | NextJS, React, PostgreSQL, AWS Lambda, s3

- Developed a new web platform for language teachers to access free resources and create paid lessons and lesson plans using NextJS, leading to a 20% increase in customer satisfaction surveys and a 40% increase in customer retention.
- Implemented Redis cache to reduce database query latency by 65%, improving overall application response time from 2.5s to 850ms and supporting 3x higher concurrent user load.
- Drove the adoption of agile development practices to streamline development processes, resulting in a 25% increase in deployment frequency.

InduzBuy, Bangalore, India

May 2023 - Aug 2023

Software Engineer Intern | Laravel, EC2, BERT, Python, TensorFlow

- Spearheaded the migration from core PHP to Laravel to streamline the data models for improved modularity and maintainability, reducing feature lead time by 20%.
- Built a BERT-based model using Python, hugging-face, and Django to standardize supplier catalog data with an accuracy of 95%, reducing processing time by 60x (30 minutes to 30 seconds).
- Took ownership of developing automated deployment strategies for our product on Amazon EC2 instances utilizing bash scripts, reducing deployment errors by 40%.

ICICI Lombard GIC, Bangalore, India

Oct 2019 - Aug 2022

Software Engineer | Java, Springboot, Neo4j, Redis, SQL, ReactJS, React Native

- Led the development of a new vehicle insurance renewal portal, allowing for self-service renewals.
- Collaborated with product managers and designers to develop a performant and accessible React frontend with lazy loading and i18n localization, resulting in page load times of under 10ms.
- Migrated a monolith application to scalable microservices built using Java and Springboot, reducing AWS costs by 30% by implementing scale-to-zero auto-scalers.
- Created a GraphDB-based decision tree using neo4j to compute insurance premium components, improving load times by 40%.
- Ideated and built a mobile CRM app using React-Native, allowing Sales Representatives to work remotely during COVID lockdowns, reducing revenue lost by 60%.

Autoninja, Bangalore, India

Jan 2019 – Oct 2019

Software Developer | Java, Springboot, ELK stack, Sentry

- Designed and implemented a real-time car delivery tracking system using Java and Springboot, allowing users to track car deliveries on their phones – resulting in a 20% decrease in support call volume.
- Led the development of internal dashboards using ELK-stack (Elastic Search, Logstash, Kibana) to catch errors in config files, resulting in 70% fewer critical errors in production.
- Coordinated cross-functional initiatives with engineering, product, and operations teams to triage customer issues, leading to major changes
  to customer support processes, resulting in a 15% speedup in ticket resolution time.

### **Education and Certifications**

Masters in Computer Science, Arizona State University, Tempe.

2022 - 2024

B.Sc. Mechanical Eng. with Minors in Computer Science, PES University, Bangalore, India.

2015 - 2019

#### **Projects**

### TCR-Epitope Binding Affinity Prediction | CNN, Encoder-decoder networks, Python, TensorFlow

Sep 2023

- Designed a hybrid CNN-encoder-decoder model using catEMLo embeddings to predict TCR-epitope binding affinity, achieving 81% accuracy on a dataset of 500k+ antigen sequences.
- Improved model robustness by refining training parameters and loss functions, boosting recall by 8% to enhance detection of low-affinity interactions critical for immunotherapy research.

#### Scalable Data Processing Pipeline | Apache Spark, Kubernetes, Scala, Hadoop, neo4|

Jan 2023

- Engineered a scalable data pipeline using Apache Spark and Hadoop to process 10M+ records from NYC OpenTaxi dataset, deploying Kubernetes for automated resource orchestration and 20% compute cost optimization while ensuring sub-second latency.
- Spearheaded advanced analytics in Scala/Spark, including PageRank algorithms and hotspot analysis, to identify high-traffic zones and model trip patterns in Neo4j.