

VIKAS REDDY KONDAKALLA

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SUMMARY

Graduate student with over 3 years of experience as a **Software Development Engineer**. My expertise lies in Java and Spring Boot, and I have a track record of delivering scalable and low latency web applications. Involved in **Software Development Life Cycle (SDLC)** which embraces Design, Development, Implementation and Testing of enterprise business applications using Java.

EDUCATION

University at Buffalo, The State University of New York

Buffalo, NY

Master of Science in Computer Science, CGPA: 4.0/4.0

August 2022 – December 2023

Courses: Analysis of Algorithms, Information Retrieval, Modern Networking Concepts, Blockchain, Reinforcement Learning, Machine Learning, Software Testing, Operating systems, Distributed Systems, AWS.

B V Raju Institute of Technology

Narsapur, IN

Bachelor of Technology, Computer Science, CGPA: 3.8/4.0

August 2015 - May 2019

Courses: Analysis of Algorithms, Deep Learning, Cloud Computing, Python, Computer Architecture, Deep Learning with AI, Database management system.

TECHNICAL SKILLS

- **Languages/Databases:** Java, C#, Python, Unix/Shell Script, C, C++, HTML, CSS, Postgres, Redis, JavaScript, SQL, NoSQL, MongoDB
- **Frameworks:** Angular, React, Spring Boot, ASP.Net Core, Express with Node.js, Apache Hadoop, GraphQL, Next.js
- **Tools/Technologies:** ETL, Autosys, AWS, Jenkins, git, DevOps, Linux, Excel

WORK EXPERIENCE

University at Buffalo - Software Engineer Apprentice

Buffalo, Newyork | January 2024 - Present

- Engineered as a Back-end Developer to create an '**Open App**' Application for various industries, facilitating addition of businesses and services, and efficient appointment management, leveraging **MongoDB, Express.js, React, and Node.js**.
- Authored over 30 REST APIs to enhance CRUD operations, resolve bugs, and incorporate features such as JWT tokens, OAuth 2, Role-Based Access Control, geolocation (MapQuest), reviews, sorting, Stripe payment integration, etc.
- Engaged as a backend developer to develop the '**Trade Here**' **Trading Web Application**, leveraging Spring Boot, Spring Data JPA & Hibernate, Spring Security, Maven, Restful APIs, MySQL, Core Java, git, Mockito and JUnit.
- Deployed AWS for cloud hosting and Integrated Kafka for real-time data streaming, improving processing efficiency by 25%. Provided Swagger **API documentation**.

VTS - Software Development Engineer

Hyderabad, India | May 2019 – August 2022

- Developed a **Java SDK** to intercept incoming and outgoing **REST API calls**, validate the **JWT** token sent in requests, and set tenant context for ~ **20** Multi-tenant Spring Boot applications.
- Played a pivotal role in the **International Financial Reporting Squad (IFRS)**, automating billion-dollar worth daily and monthly journals. Attained a 98% decrease in manual adjustments, and an 85% reduction in processing time.
- Architected scalable microservices web application for critical financial reporting utilizing **Angular, Java, Spring Boot, Gradle, Akka, JDBC and C#**.
- Accomplished a remarkable 95% reduction in application loading time during migration from legacy desktop apps.
- Designed data models and orchestrated report automation through **ETL, Teradata SQL, Python, and Unix shell scripting** for **Financial Data Warehouse analysis**, yielding 20 hours of weekly time savings.
- Contributed to automation of **CI/CD** deployment pipeline and DevOps, enhancing production delivery process (TCM) with an 80% improvement in deployment efficiency. Utilized **Docker, Kubernetes, Jenkins, Jira, and Agile**.

VTS - SDE Intern

Hyderabad, India | January 2019 – April 2019

- Developed **RESTful APIs** for a tourism booking web application, focusing on optimized package selection, travel accommodations, and hotel bookings, utilizing **ASP.NET Core, C#, Angular, TypeScript, MySQL, LINQ, and Entity Framework Core**.
- Integrated **Open Shift endpoints** with Apigee for API management, and set up CI/CD pipelines, along with configuring Dynatrace monitoring dashboards for **microservices**, enhancing overall system monitoring capabilities.
- Enhanced cloud infrastructure and application scalability by deploying key AWS services such as **Lambda, SQS, API Gateway, SNS, DynamoDB, S3, and Elastic Beanstalk**, leading to a 30% reduction in latency and a 40% improvement in responsiveness.

PROJECTS

HailBot | Python, Pandas, NumPy, Flask, Pushshift, Elastic Search, HTML, VanillaJS, GCP, Postman.

- Built an end-to-end IR chatbot with multiple personas, based on the Okapi BM25 model using chit-chat and Reddit data scraped using PushShift API. The chatbot fetches the relevant results from the respective index using a logistic regression model. Using cosine similarity, the appropriate response is filtered from the fetched relevant results.