

SAITEJA KURA

+1(857) 693-8501 ◊ Boston, MA (open to relocate) ◊ kurasaiteja@gmail.com ◊ [LinkedIn](#) ◊ www.kurasaiteja.me

EDUCATION

Master of Computer Science, Northeastern University, GPA: 3.96/4.00 Apr 2024
Relevant Coursework: Programming Design Paradigm, Natural Language Processing, Data Management and Processing
Responsibilities: Teaching Assistant for CS 5400 - Principals of Programming and CS 5610 - Web Development.

SKILLS

Programming Languages	Java, Python, JavaScript, R, Go, TypeScript, C, C++
Web Development	React.js, Spring Boot, Node.js, REST APIs, Express.js, Jest, HTML, CSS
Databases and Data Technologies	SQL, PostgreSQL, GraphQL, MongoDB, Redis, Apache Kafka
Cloud/DevOps and Developer Tools	AWS, OpenShift, Jenkins, Docker, Apache Tomcat, Kubernetes, Terraform VS Code, IntelliJ, Git, Bamboo, Maven

EXPERIENCE

Software Engineer Intern Aug 2023 - Dec 2023
KAYAK *Boston, MA*

- **Implemented dynamic test data service:** Used Spring Boot and MySQL to simulate diverse advertising campaigns, enhancing QA's ability to robustly test the budget recommendation feature leading to a 20% increase in test coverage.
- **Developed user-centric interface and backend services:** Streamlined partner onboarding processes using React.js, Spring Boot, and MySQL, saving 10 hours of development work.
- **Created a performance monitoring dashboard:** Leveraged Elasticsearch, Logstash, and Kibana (ELK stack) for KAYAK's Ad platform to generate real-time insights into system performance and user interactions, resulting in a 25% improvement in system uptime.

Software Engineer Nov 2020 - Jul 2022
Cotiviti *Hyderabad, India*

- **Developed Agile Sprint Retrospective tool:** Enhanced team productivity by 20% through the creation of a feedback mechanism using React, Node.js, and MySQL, enabling more effective sprint planning and retrospectives.
- **Facilitated architecture migration:** Transitioned the healthcare claim adjudication system from a monolithic to a microservices architecture using Spring Boot, Docker, and Kubernetes, resulting in a 40% reduction in deployment times.
- **Integrated Apache Kafka for real-time data streaming:** Enabled seamless communication between various adjudication services, leading to a 30% improvement in processing efficiency by reducing latency and improving data throughput.
- **Conducted comprehensive testing:** Utilized JUnit and Mockito to verify complete user flows from claim submission to processing and outcome, decreasing post-deployment issues by 30%.

Full-Stack Developer Jan 2019 - Dec 2019
Semantic Bits *Hyderabad, India*

- **Developed astrology web application:** Designed a full-stack application using React.js, D3.js, and FastAPI to provide insights like birth horoscopes and charts, attracting over 10,000 users within the first month of launch.
- **Enhanced global city name retrieval:** Integrated MongoDB Atlas and implemented debouncing on the frontend, improving user experience by 15% through efficient auto-complete functionality and reducing server load by 20%.
- **Architected software localization:** Introduced multilingual support using i18next, allowing the application to cater to a global audience and increasing user engagement by 25%.
- **Implemented JWT tokens for authentication:** Provided secure, stateless user sessions, enhancing security and user convenience by reducing the need for repeated logins.

PROJECTS

News Headline Generator: Developed a News Headline Generator using advanced NLP models including BERT, LSTM, and GPT to analyze and generate headlines, providing a comparative study of model efficiency and effectiveness in natural language generation. **Technologies Used:** Python, NLTK, TensorFlow, Jupyter.

Stock Portfolio: Built a stock portfolio application with Java Swing and MVC architecture, integrating Command, Strategy, and Observer design patterns to enhance UI responsiveness, enable dynamic investment strategies, and ensure decoupled operations for scalability and maintainability. **Technologies Used:** Java, MySQL, Spring Boot.

RECOGNITIONS

Recognized as 'Top Writer in Artificial Intelligence' at **Medium**, demonstrating proficiency in articulating data science projects/concepts and engaging with a large audience of over **100K readers**.