

# YASHWANTH POKALA

Boston, MA | (857) 395-1841 | [vermayashwanth47@gmail.com](mailto:vermayashwanth47@gmail.com) | [LinkedIn](#) | [GitHub](#) | Available: June 24<sup>th</sup> 2024 | Software Developer

## EDUCATION

### Northeastern University

Master of Science in Information Systems

Boston, Massachusetts

September 2022-Expected May 2024

- Relevant Coursework: Web Development, Algorithms, Application Development, Database Management, Object-Oriented Design

## EXPERIENCE

### ONSHAPE (PTC)

Boston, Massachusetts

#### Software Engineer Intern (Data Management)

June 2023-August 2023

- Contributed to Onshape's Data Management team in a high-growth SaaS-based CAD with million dollars in annual revenue
- Upgraded system capabilities to enable admin to authorize team members for editing standard 3D models data and directed the integration of permission checks in service classes using Spring Boot, elevating collaborative workflows, and boosting operational efficiency across the platform, resulting in a 25% reduction in time spent on Standard content data editing tasks
- Improved user experience by introducing a properties option in the context menu for non-geometric items using Angular with Typescript and executed precise API calls, leading to a 15% increase in user engagement enabling access to crucial information for non-admin users and authored extensive JUnit tests for API testing, significantly reducing production failures
- Executed targeted REST API calls to integrate non-geometric items and standard content into the bill of materials
- Implemented WebSocket endpoints using Spring WebSocket, improving data exchange by 5% among users on Bill of materials
- Collaborated with UI/UX and QA teams to gather inputs on access permissions and prioritize story requirements
- Examined logs and addressed 90% of critical bugs on staging before deployment, guaranteeing a stable and reliable user experience

### INFOSYS

Mysore, India

#### Software Engineer Intern

January 2022 - April 2022

- Modernized the skill demand dashboard's user experience by transitioning from MEAN stack to Flask framework(backend), resulting in a 20% boost in overall user satisfaction through enhanced informativeness and improved functionality
- Led an Agile team of 4 as the Project Team Lead (Scrum Master), contributing to 25% reduction in project timeline by implementing efficient Agile methodologies and sprint planning within the team
- Analyzed user requirements and developed responsive and functional UI components via REACT concepts(frontend)
- Designed and constructed databases using Microsoft SQL Server, and MySQL for 100,000 records. Implemented key database concepts, including stored procedures and triggers, optimizing functionality, automating processes, and ensuring data protection
- Identified the fastest-growing skills with a growth rate of 370% over the past five years

## SKILLS

- **PROGRAMMING LANGUAGES:** Java, Python, JavaScript, TypeScript
- **DATABASE:** MySQL, Microsoft SQL Server, NoSQL, MongoDB, Redis
- **WEB DEVELOPMENT:** HTML5, CSS, Spring Boot, Flask, REST API's, HTTP, WebSocket's, Postman, Angular, React JS
- **DEVOPS:** Docker, AWS S3, AWS EC2, AWS Lambda, Azure App Service
- **TOOLS/IDE:** VS Code, IntelliJ, Eclipse, Workbench, Elasticsearch, Kibana, Kafka

## PROJECTS

### TRAVEL BOOKING PORTAL

- Collaborated on a team to develop a travel booking platform using React, Node.js, and MongoDB, incorporating user authentication, search functionality, and booking management features, resulting in a user-friendly and scalable application
- Utilized Context API along with the useReducer hook, and Braintree API, enabling customers to browse packages, add items to their cart, and complete secure transactions, resulting in a 20% increase in sales conversion
- Executed user authentication functionality using Auth0 for login/signup and securing routes, ensuring seamless access control for both admin and customer users with an impressive 99.9% accuracy rate
- Leveraged Axios to consume external APIs and fetch dynamic content from a Node.js server, reducing latency

### GLOBAL STUDENT HUB

- Developed a video streaming platform for international students using Spring Boot Microservices
- Implemented user authentication using Spring Security, incorporating OAuth 2.0, multi-factor authentication, and JWT
- Procured and configured SSL/TLS certificates utilizing OpenSSL for both server-side implementation and client-side integration
- Integrated Docker into the CI/CD pipeline and optimized resource utilization through Docker container, achieving a 15% reduction in infrastructure costs in a Linux environment
- Integrated AWS S3 storage for seamless video uploads, optimizing data management and retrieval processes
- Leveraged EC2 instances for hosting, optimizing performance and ensuring high availability of the video streaming service