

Abishek Adapa

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EDUCATION

M.S., Computer Science, Florida State University (GPA: 3.85/4.00) Jan 2022 - Dec 2023
Relevant Coursework: Artificial Intelligence, Database Management Systems, Cloud Computing, Distributed Systems

B.Tech., Computer Science and Engineering, PSG iTech (GPA: 8.9/10.00) Jun 2017 - Jun 2021
Relevant Coursework: Data Structures and Algorithms, Object oriented programming, Advanced Operating Systems

RELEVANT EXPERIENCE

Software Engineer

Florida Department of Business and Professional Regulation Jan 2024 - Present

- Created various Qlik reports for daily business needs which increased easy tracking of real-time data and migrated several reports from Launchpad to Qlik resulting in 20% increase in process efficiency.
- Created a database API which automates the data fetch from database to the Pearson VUE portal resulting in a 40% reduction in manual data entry time
- Created Oracle PL/SQL scripts for handling real-time cash records, streamlined timely migrations from development testing to production environment by creating automated scripts reducing manual errors by 50%
- Configured in-house database using Versa Regulation system, by applying ACID principles and normalization techniques to streamline the database which resulted in a 40% reduction in redundancy
- Conducted regular database performance tuning and troubleshooting, ensuring minimal downtime and increasing system availability by 99%

Web Applications Developer

Florida State University Jun 2022 - Dec 2023

- Developed and deployed a user-friendly social media web app with registration, tweeting, following, and mention in hashtags, resulting in a 30% increase in daily active users by leveraging Angular, JavaScript, and Spring Boot
- Strategically incorporated hashtag mentions into the platform using Spring Boot and MySQL, fostering lively and engaging discussions, resulting in a remarkable 35% surge in daily user participation
- Decomposed the Twitter web application into 7 distinct, highly cohesive microservices, including User Management, Tweet Management, Notification, Trending Topics, Search, Recommendation, and documented over 25 RESTful APIs for the microservices

PROJECTS

Time Capsule (HTML5, CSS3, JavaScript, React.js, MySQL, AWS)

- Designed a data management solution for handling alumni activities of PSG iTech, with over 10000+ active users
- Implemented agile methodology to drive the project, delivering high-quality deliverables on time and consistently meeting project milestones
- Engaged with stakeholders to gather requirements and iteratively refined the system to meet evolving needs
- Implemented OAuth2.0 authorization, resulting in a 40% reduction in security vulnerabilities.
- Integrated hashing algorithms, leading to a 35% improvement in search speed and a 25% reduction in server load, and utilized Docker for deployment on localhost and AWS Elastic Beanstalk for scalability.

WhatsApp Clone (Fast API, React JS, Node JS, MongoDB, Chat Engine, Socket.IO)

- Built a real-time WhatsApp clone integrated with chatbot for over 50+ commands to access information through bot.
- Improved analysis algorithms to optimize chatbot response time, ensuring a maximum response time of 10 seconds.
- Enhanced with React.js and Node.js utilizing MongoDB resulting 30% increase in user engagement and 25% faster response load times and revamped server-side logic using Node.js (Express.js) to manage user authentication and 20% reduction in latency.

TECHNICAL SKILLS

- **Languages:** Java, Python, C, C++, C#, JavaScript, SQL, HTML, CSS
- **Frameworks:** Angular JS, React JS, Node JS, Express JS, Vue JS, Bootstrap, Spring Framework
- **Databases:** Relational (SQL, MySQL, PostgreSQL, Oracle), Non-Relational (MongoDB, DynamoDB)
- **Cloud Technologies:** AWS (Amazon S3, EC2 instances and Elastic Beanstalk), Azure
- **Data Analysis Tools:** Pandas, TensorFlow, Matplotlib, sci-kit-learn, OpenShift, Tableau
- **Tools/Platforms:** Jenkins (CI/CD), Docker, Kubernetes, Linux, Maven, Eclipse, GitHub, Apache, Azure, Jira
- **SDLC Methodologies:** Agile, Waterfall and SOA