

Chaitanya Vidudhala

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EDUCATION

Master of Computer Science | University of Alabama at Birmingham, Birmingham, AL

Dec 2023

B.E Computer Science | R.M.K College of Engineering and Technology

Apr 2020

TECHNICAL SKILLS

Programming Languages:	Python, Java, JavaScript, HTML, CSS
Databases:	MySQL, Postgres SQL, MongoDB
Concepts:	Data Structures & Algorithms, OOP, Cloud,
Frameworks:	Spring Boot, React, Node, Angular, Bootstrap
Other Skills:	Git, GraphQL, Apache Kafka, Docker, Kubernetes, AWS, Google App Engine (GCP)

PROFESSIONAL EXPERIENCE

Associate Software Engineer – ACCENTURE | Bangalore, Karnataka

Feb 2021 - Mar 2022

- Achieved RESTful API with Spring Boot, 40% quicker client response time and 25% better data delivery, supporting JSON and XML formats.
- Maximized multithreading techniques to manage transactions, resulting in a 30% reduction in processing time and ensuring seamless execution flow, boosting system reliability and performance.
- Orchestrated the creation of Java/J2EE code and business logic using Spring and Hibernate frameworks, while participating in peer code reviews.
- Expert in Spring frameworks such as Core, AOP, MVC, Batch, Security, and Boot. Integrated microservices, boosting system scalability by 25% and reducing response time by 20%.
- Expanded business components using Java Objects and Hibernate, mapping Java classes to the database with Annotations for enhanced data management.
- Adopted Spring DAO for CRUD operations and applied Spring Framework AOP for application logging, improving system stability by 20%.
- Managed WebSphere Application Servers and Web Servers on AIX platforms and established development, testing, and staging environments, this resulted in a 30% decrease in deployment time and a 25% increase in workflow efficiency.
- Formulated SQL queries to retrieve and adjust data from Oracle DB, employing joins to gather information from multiple tables. Unions and views were put into place to improve data analysis capabilities.
- Constructed and analysed front-end and back-end Servlets, Bootstrap, HTML5, CSS3, Angular JS, Ember JS, and AJAX, for developing the presentation layer, streamlining functionality and design to achieve a 20% increase in website traffic and a 10% rise in customer satisfaction ratings.
- Implemented RESTful web applications with Spring MVC to extract client data from the database and integrated SOAPUI for thorough testing, resulting in a 25% increase in data retrieval speed and a 20% decrease in error rates.
- Defined JSF for component-based UI Applications, boosting page rendering speed by 30%. Transitioned from XML to JSON, reducing data transfer overhead by 25%.
- Accelerated RESTful web services using Spring Boot, JPA, Cloud Foundry, and Oracle, enhancing service responsiveness and scalability by 40%.
- Deployed and managed microservices on Pivotal Cloud Foundry, reducing deployment time by 30% and enhancing scalability by 25%.
- Incorporated GitHub for component maintenance and version management, ensuring seamless collaboration and code integrity.

Associate Software Engineer – TECHNEST | Chennai, Tamil Nadu

Jan 2020 - Feb 2021

- Generated the Front-End and User Interface of ARWorks applications using JavaScript, ES6, React, and Redux.
- Outfitted Babel to compile JSX and ES6, adhering to JSHint standards for high-quality code.
- Spearheaded React JS to develop interactive UI with one-way data flow, Virtual DOM, JSX, and React concepts, enhancing user experience and interface responsiveness.
- Leveraged knowledge of W3C standards, classical Model View Layer (MVC) architecture and cross-browser development techniques.
- Incorporated Redux/NGRX data flow, including store creation, action dispatching, state maintenance with reducers, and API service access with UseEffects, resulting in a 20% performance improvement and a 15% reduction in API response time.
- Constructed React Router for module-level routing, revolutionizing application navigation, drove a 20% rise in user interaction and a 15% decrease in page load time, enhancing overall user experience.
- Upgraded React JS views for DOM connection and data sync, boosting SPA performance. Effected 25% faster page loads and 20% lower server response, enhancing user experience.

- Leveraged Single Page Applications (SPAs) using React-Router to enable navigation from one view to the next as clients perform application tasks.
- Processed HTML requests with Express middleware, incorporating body-parser, cookie-parser, cors, and Morgan. Achieved a 30% faster request processing time and boosted server security by 25%.
- Revitalized user experience by leveraging React's lifecycle methods, delivering a 20% decrease in rendering time and a 15% reduction in memory usage; elevated application responsiveness and operational efficiency.
- Styled pages with Tailwind CSS, creating a highly responsive interface with minimal CSS files for improved development efficiency and maintainability.
- Employed Maven for creating EAR files for application server deployment and managing dependencies. 30% faster deployment time and enhanced code maintainability by 25%.
- Advanced the backend server with Spring Boot, involving different layers of the application including entity/model, DAO/repository, Controller, Service, Business, and Persistence.
- Applied Spring MVC with Hibernate to connect to Microsoft SQL Server, reducing query execution time by 40% and improving database performance by 20%.
- Preferred to analyse Hibernate Criteria API for database queries and CRUD operations to increase query performance by 25% and reduce code complexity by 20%.

PROJECTS

AWS Project – SESSecureWeb

- Engineered and developed an Amazon AWS secure web app, seamlessly improved with Lambda and employed Amazon RDS for structured data management. established a strong mechanism for user authentication to guarantee the integrity of the data.
- Enhanced user security with authentication and login page, using Amazon RDS. Simplified file uploads with Amazon S3. Optimized communication with Amazon SES and automated image clean-up.
- Streamlined email procedures with Amazon SES for effective correspondence. Set up automated clean-up for uploaded photos, prioritizing data protection and resource management. Demonstrated skill in creating comprehensive, User-friendly web applications on AWS Cloud.

BookHub: Student-Centric Bookstore Application.

- Designed an innovative online application using HTML, CSS, and Bootstrap, creating a visually appealing and responsive user interface that progressed user experience, resulting in a 35% improvement in user engagement and interaction.
- Increased Flask, a Python-based framework, for efficient server-side processes, demonstrated proficiency with Python 3.8 coding techniques. Ensured high data integrity in MySQL database maintenance, facilitating quick retrieval of crucial user, book, and order data.
- Integrated Flask and Python with front-end technologies for consistent full-stack application, developed a feature-rich application, showcasing an understanding of client and server complexities.