ANUJ DEOL

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OBJECTIVE

As a passionate software developer, I aim to utilize my proficiency in back-end technologies, along with my problem-solving abilities, to contribute to the development of cutting-edge software solutions. I'm excited to join a team that's innovative and committed to advancing technology.

EDUCATION

Information Technology Solutions, Humber College — Sept 2022 - April 2024

Bachelor of Computer Science, Galgotias University — Sept 2016 - April 2020

EXPERIENCE

Software Developer Intern — Jan 2024 - Present
Fable — *Toronto, Canada*

- Mastered Fable's data model, including entities, relationships, and constraints, facilitating efficient data management processes.
- Successfully developed and integrated Auth0 authentication flow within the Figma plugin ecosystem, enhancing user security and accessibility.
- Deployed AWS infrastructure meticulously, leveraging code repository-stored configurations (Serverless).
- Developed and rigorously tested Node.js APIs, implementing automated testing using Jest, which led to a 15% reduction in bug occurrences.
- Optimized MongoDB queries, resulting in a 25% improvement in query execution time.
- Produced and consumed SNS and webhook events to be integrated into business processes, enhancing real-time data exchange capabilities by 30% through optimized event handling mechanisms.
- Expertly navigated 3rd party API docs to shape integration strategies and recommendations, ensuring seamless integration and functionality.
- Skillfully documented solution structures and their relationships, using clear written content and diagrams, improving team collaboration and knowledge sharing efficiency by 25%.

Software Engineer — Nov 2020 - July 2022
Tata Consultancy Services (TCS) — *Noida, India*

- Developed and managed RESTful web services and APIs using Java and Spring Boot within an MVC architecture, resulting in a 20% improvement in API response time through indexing and caching optimizations..
- Implemented OAuth 2.0 using Spring Security framework for secure authentication and authorization, enhancing system integrity and data protection.
- Utilized Hibernate ORM alongside JPA annotations for streamlined object-relational mapping, ensuring effective data persistence and management.
- Conducted rigorous unit testing using JUnit framework, resulting in a 15% increase in software reliability and robustness.
- Collaborated closely with frontend developers to ensure seamless integration between backend services and user interfaces, optimizing user experience and overall system usability.
- Increased team productivity by 25% through effective task prioritization and streamlined communication channels.

SKILLS

Frameworks: Spring Boot, Node.js, Express.js, AWS Serverless.
Programming Languages: Java, JavaScript, Object-oriented programming (OOP).
AWS Cloud services: Lambda, S3 Buckets, IAM.
Database Management: MongoDB, SQL.
Node.js Libraries: Jest, Mongoose, Express.js, Passport.js, JSON Web Token (JWT).
Java Spring: Spring Boot, Spring Data JPA, Spring Security, Hibernate relationships mapping, Spring Validation, MVC Architecture, Thymeleaf.
Other Technologies and tools: JIRA, Confulence, Git, GitHub, Visual Studio Code, IntelliJ IDEA, Eclipse, SpringToolSuit4, MongoDB Compass, Postman, Figma, Docker, JSON, XML, YAML, HTML, CSS

Strong debugging and Problem-solving skills.

PROJECTS

MovieFlex:

- MovieFlex is a sophisticated web application designed to revolutionize the way users manage their online movie collections.

- **Backend Technologies:** Utilized Node.js and Express.js for backend development, providing a scalable and efficient runtime environment. MongoDB database for its flexibility and scalability.

- **Frontend Technologies:** Utilized Handlebars and Bootstrap frameworks for the frontend to create an intuitive and visually appealing user interface.

- Implemented secure session management using cookies and client-session for uninterrupted user sessions. Enhanced security with JWT token authentication and bcrypt encryption for password storage.

- Developed RESTful Web APIs to handle data transmission between the frontend and backend, ensuring efficient communication and data management.

GitHub Repository: MovieFlex Repository

Java E-Commerce Web App:

- Developed a dynamic E-commerce website using Java, Servlets, and JSP pages.

- Implemented backend logic, database connectivity, and business logic using Java and Hibernate ORM framework, Implemented session tracking .

- Designed and created frontend user interfaces with JSP pages for product catalog, shopping cart, and order processing.

GitHub Repository: E-Commerce App Repository

Cottage Booking Backend Server::

- Developed a robust backend server using Node.js, Express, and Mongoose.

- Utilized RESTful APIs and an MVC architecture for organized code structure and seamless data flow.

- Integrated with a React Client web application to render dynamic server-side data, enhancing user experience.

- Implemented security features including nodemailer for sending welcome emails and managing password reset functionality.

- Designed MongoDB schema and managed databases using MongoDB Atlas and Mongo Compass.

- Ensured session maintenance for improved user authentication and security using JWT authentication.

GitHub Repository: Cottage App Repository

Other Projects: Explore additional projects on my GitHub. i.e, OAuth 2.0, Java SpringBoot mini projects etc
GitHub Account: My GitHub