RAHUL BAGHEL

SENIOR SOFTWARE ENGINEER ● NOIDA, INDIA ● +91 9717806407

DETAILS

Noida, India
+91 9717806407
rahul.baghel1508@gmail.com

SKILLS

React.js, Next.js, TypeScript

Angular, RxJS and Observables

Redux, Context API

HTML5/CSS3/JavaScript/Bootstrap

Material UI, Reactstrap

Canvas, FabricJS (Editing Tool)

Node.js, Express.js, Sail.js

RESTful API Design & Development

WebSocket Implementation

JWT & Passport Authentication

Microservices Architecture

MongoDB (Mongoose ODM)

MySQL/MySQL ORM (Sequelize)

Redis Caching

Elasticsearch

Docker & Containerization

AWS (EC2, S3 Bucket)

Flux Cloud Deployment

CI/CD (Jenkins, GitHub Actions)

Nginx, PM2

SonarQube Code Quality

Version Control (Git)

Apache Kafka

Event-driven Architecture

Keycloak

JWT

OAuth2.0

Passport.js

Jest, React Testing Library

👤 PROFILE

- Over 6 years of Full Stack development experience specializing in MEAN/MERN stack, with proven track record of building scalable web applications using React.js/Angular for frontend, Node.js/Express for backend, and MongoDB for database.
- Strong proficiency in React.js/Redux development including state management, component architecture, along with MongoDB skills (Mongoose ODM, indexing, aggregation) and RESTful API development using Express.js.
- Experience with modern web technologies including Apache Kafka for real-time data streaming, Elasticsearch for search optimization, and Keycloak for authentication/authorization implementation.
- Good understanding of software development principles including Object Oriented Programming, functional programming, design patterns (SOLID, Factory, DI), coupled with Test-driven Development (TDD) using Jest and React Testing Library.
- Hands-on experience with development operations including CI/CD implementation using Jenkins, version control with Git, and working with project management tools like JIRA in an Agile Scrum environment.
- Strong problem-solving and debugging skills with proven ability to work effectively in cross-functional teams, consistently delivering high-quality solutions within deadlines.

💼 EMPLOYMENT HISTORY

Senior Software Engineer at Kryptomerch, Hamilton
June 2024 — Present

Full Stack Development Responsibilities:

- Developed and maintained scalable blockchain-integrated applications using Next.js, React, MongoDB, and Node.js, implementing seamless interaction with Kadena blockchain
- Implemented comprehensive logging system for enhanced application monitoring and debugging
- Established robust authentication and authorization mechanisms using Keycloak
- Set up and managed real-time data streaming with Apache Kafka for improved system performance
- Integrated Elasticsearch for optimized search functionality across the platform
- Implemented Redis caching to enhance application performance and reduce database load
- Created and maintained CI/CD pipelines using GitHub Actions for automated deployment
- Utilized Flux Cloud for streamlined production deployment and infrastructure management
- Built RESTful APIs following best practices and security standards
- Actively participated in code reviews and maintained high code quality standards
- Collaborated with blockchain developers to implement frontend integration with Kadena blockchain

Software Engineer at Flexsin Technologies Pvt Ltd, Noida
May 2022 — June 2024

Full Stack Development Responsibilities:

- Built scalable applications using MEAN/MERN stacks, implementing responsive UIs with Angular/React.js and RxJS
- Engineered efficient state management using Redux, along with modular component architecture for SPAs
- Developed robust backend services using Node.js/Express.js with MongoDB,

Mocha, Chai

Test-Driven Development (TDD)

RESTful Web Services

Google Cloud Platform (TTS, STT)

Third-party API Integration

JIRA

Agile/Scrum Methodology

Git Version Control

Webpack

Postman/Insomnia

including data modeling and API design
- Implemented authentication flows using JWT/Passport and integrated AWS services (EC2, S3)
- Established DevOps practices using Docker for containerization and managed version control with Git/Webpack

Software Engineer at TechTiara Pvt Ltd, Noida

November 2016 — July 2019

Full Stack Web Development Responsibilities:

- Developed comprehensive full-stack web applications for diverse clients, integrating advanced data processing, analysis, and visualization functionalities, leveraging cutting-edge technologies including Java 8, Spring Boot, and microservices architecture.
- Developed and maintained various banking modules, including account types (Savings, Fixed Deposit, Recurring Deposit, Lockers).
- Implemented features such as module group management, bug resolution, and provided technical and non-technical support.
- Offered support in UI and business validations, conducted unit testing, and participated in integration testing to ensure the robustness of the banking modules

LANGUAGES

Hindi

English

⬥ EDUCATION

MCA, Galgotias College of Engineering and Technology, Greater Noida, Uttar Pradesh

August 2019 — August 2022

BBA(Computer Aided Management), Institute of Innovation in Technology and Management, Delhi

August 2012 — August 2015

★ PROJECTS

MBTS

November 2023 — May 2024

Project Summary: AI-Integrated Wellness Platform

Developed an AI-based wellness platform, integrating ChatGPT and various tools to engage users in an intellectual experience. The platform guides users by responding to their questions, offering personalized advice on living a better life encompassing benefits, fitness, and weaknesses. Key tools include:

- **Vision Board (Fabricjs Library):**Created a canvas-based vision board using Fabricjs, allowing users to express their creativity with Photoshop-like tools.
- **Journey Assessment (AI-driven Questionnaire):**Implemented an AI-based questionnaire for personalized guidance. The system analyzes user responses, prompts relevant questions, and delivers appropriate results.
- **User Website Activity Tracking:**Engineered a code to track user engagement on the website, utilizing sockets to transmit real-time data to the backend.
- **Badges and Achievement System:**Developed a badge system rewarding users for their commitment, granting badges based on accumulated time spent on the platform.
- **Assessment Tool:**Designed a simple Q/A tool generating AI-driven results upon completion, highlighting key points such as strengths, weaknesses, and opportunities.
- **Strategy Formulation:**Devised a strategy for users based on AI-driven insights obtained from the Journey Assessment, offering tailored guidance

Courseshop(Pinlearn)

July 2023 — December 2023

Project Summary: E-Learning Platform Development

Led the creation of a robust E-learning platform, offering a seamless experience for both students and teachers akin to Udemy.

Key responsibilities and features include:

- **Cart System Development:**Engineered a user-friendly cart system, enabling

students to add multiple courses for convenient and efficient transactions.

- **Custom Video Player with Note Feature:**Developed a bespoke video player with an integrated note-taking feature, allowing students to annotate videos with timestamps for enhanced learning.
- **Provision of Sample Videos:**Implemented a provision for sample videos, providing a glimpse of course content for potential students who haven't made a purchase.
- **Integration of Multiple Mail Services:**Enabled the integration of various mail services, offering flexibility for the admin to switch between providers, ensuring effective communication.
- **Enhanced Admin Panel:**Upgraded and enhanced the admin panel, providing administrators with comprehensive control and management capabilities for courses, users, and overall platform administration

SAAL Metaverse

August 2022 — December 2022

Project Summary: Metaverse-Based Internal Meeting Platform

Pioneered the development of an innovative Metaverse platform, facilitating internal meetings for SAAL organization. The platform, akin to a meeting app, utilizes immersive technology to enhance the meeting experience.

Key Responsibilities and Features:

- **Admin Panel Development:**Engineered a comprehensive admin panel for organizing meetings across different time zones. Utilized Material UI for an intuitive and visually appealing interface. Implemented backend functionalities for seamless meeting management and data storage.
- **Timezone Management with Moment:**Integrated Moment.js to handle time zones, ensuring accurate scheduling and coordination based on UTC time. Enabled efficient organization of meetings with precise timing across diverse geographical locations.
- **Unique Code Generation:**Implemented a code generation system to create unique access codes for meeting rooms. Streamlined access for teams by utilizing these codes, ensuring a secure and efficient meeting experience

❖ CERTIFICATION

Java SE8 Certification - Certification Number: 261290837OCAJSE8, Oracle
October 2018 — Present

Certificate (Java Basic) - Certification Number: B10F5775D9D2, Hacker Rank
August 2021 — Present