



Abhishek Solanki

Portfolio Website

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GitHub Profile

LinkedIn Profile

EDUCATION

•Xavier Institute Of Engineering

Mumbai, India

Bachelor of Technology in Computer Engineering - 2021

CGPA: 7.41

EXPERIENCE

•BrowserStack (SaaS)

Aug 2021 - Jan 2023

Software Development Engineer (SDE)

Remote, India

- Successfully resolved race condition issues in deployment using Ansible, ensuring smooth and synchronized deployment processes
- Constructed and managed a high-performance server for Percy, efficiently handling thousands of requests per second while ensuring comprehensive test coverage for all scenarios
- Contributed to increasing platform coverage, enhancing functionalities and maintaining the infrastructure of Percy product
- Demonstrated expertise in creating proof-of-concepts (POCs), expanding test coverage, implementing alerting mechanisms, and deploying changes during a critical platform launch. Utilized a systematic approach to automate various tasks, saving time and improving efficiency for the team.
- Major technologies - **Ruby on Rails, NodeJS and Docker**

•Tata Consultancy Services

July 2021, Sept 2021

Associate System Engineer - Trainee

Mumbai, India

- Designed and developed a comprehensive web application for TCS's internal employees, streamlining the management process for sites, updates, questionnaires, and more.

PERSONAL PROJECTS

•CHESS APPLICATION : soulchess.in

- As an accomplished developer, Designed and developed a chess application showcasing advanced features and a robust architecture. Backend built using **NestJS**, while the frontend is powered **NextJS**.
- **User Authentication**: Implemented e-mail-based user authentication for secure access to the application, ensuring privacy by verifying users through email (**SMTP**).
- **Chess Game Logic**: Meticulously implemented all necessary logic for playing chess, handling moves, checks, and capturing pieces.
- **Unique Key Generation**: Enabled users to create games and share individualized keys with other players, fostering collaborative game-play and a personalized gaming environment.
- **Socket Integration**: Incorporated socket technology to enable real-time communication between players during chess games, providing an interactive and engaging experience.
- **Load Balancing**: To ensure optimal performance and handle potential scalability requirements in the future, I have integrated **Nginx** into the application. Nginx effectively balances the load on the application, guaranteeing smooth operation even with a substantial user base.
- **Database Integration**: To prioritize data security, **MongoDB** is utilized to securely store all user credentials. The **Argon hashing algorithm** further enhances data protection, maintaining privacy and confidentiality.

TECHNICAL SKILLS AND INTERESTS

Languages: C++, JavaScript, Python Ruby, Go, Solidity

Testing Tools: Chai, Mocha, RSpec

Web Technologies: NestJS, NodeJS, ExpressJS, React, NextJS, Ruby on Rails

Databases: MongoDB, PostgreSQL

Tools: Git, Github, Postman, Jenkins, Docker, Ansible

HONORS AND ACHIEVEMENTS

–Global Rank 217 in CodeChef March Lunchtime

CodeChef 27th March

–1st Position In Codentine Competitive Programming

CodeChef 13th - 19th Apr 2020

RELEVANT COURSEWORK

- Data Structures and Algorithms, Object Oriented Programming, Operating Systems, Database Management System, Computer Networks, Theory of Automata, Discrete Mathematics, System Design