Shubham Singh

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As a collaborative problem solver proficient in Agile practices, I have a proven track record with 2 year 6 mon delivering robust and optimized services. With proven Hands-on Software Development, System Design, Testing, Operational Stability, Programming Languages, Database Querying Languages, Code Proficiency, Software Development Life Cycle, Applicant Resiliency, Security, and Technical Disciplines (e.g java based applications, distributed systems and critical enterprise applications) and Database management software, I made significant contributions to my current company's multiple projects and utility programs with minimum supervision. Now, I'm actively seeking a Software Developer role to leverage my skills in software architecture, algorithm design, full-stack development and client interactions. My commitment to code quality, scalability, and driving innovation aligns with organizational growth objectives.

WORK EXPERIENCE

❖ **Project Engineer | Center for Development of Advanced Computing | Mumbai** (June 2023 - Present)
  ➢ **Requirement Elicitation**: Rigorous software requirement analysis and technical documentation for the Codebook project, contributed to CFD, wireframes, High Level Design, Low Level Design .
  ➢ **Client Interactions** :Proficient in effectively communicating with clients through both written and verbal technical interactions.
  ➢ **Development**:Developed backend software solution for Codebook project, using clean coding practices and well documented code based on Spring Boot framework, SQL, Spring Data JPA, microservice architecture and spring security with jwt for proper authentication, authorization and validation.
  ➢ **Security**: Implemented robust security measures in Rest Apis of backend services, utilizing Spring Security with JWT for authentication and authorization, alongside encryption and input validation to safeguard against vulnerabilities.
  ➢ **Code Robustness:** Achieved code coverage of 90%, strengthening the backend service Rest APIs through meticulous code reviews, comprehensive unit testing with JUnit, and rigorous processes to anticipate and prevent disruptions.

❖ **Java Developer | Center for Development of Advanced Computing | Mumbai**   (September 2021 - June 2023)
  ➢ **Development** : Led a team of 3 developers and developed a highly scalable, available, distributed and performance oriented Java based Web Crawler with very specific filters. I made a significant contribution to the backend development (Rest API using java) of dashboard.
  ➢ **Code Robustness**: Uplifted Code Coverage from 40% to 85%, fortifying the Dashboard service, thorough Code reviews , Unit Testing using JUnit, rigorous code reviews to preempt disruptions and securing the dashboard from security threats using spring security.
  ➢ **Dashboard**: Substantial involvement in backend development of dashboard using SpringData JPA, Collection Framework, exception handling,understanding and optimizing complex SQL queries and object oriented concepts.

PROJECTS
❖ **CodeBook (Power Grid India)**
  ➢ Targets formal and Documented communication between WRLDC and stakeholders for different electrical outages.
❖ **RGR and CSAM Detection Online**
  ➢ Targets to search RGR and CSAM materials(audio or video) and report that website to National Crime Records Bureau of India.

EDUCATION
❖ Bachelor of Technology in CSE | SSGI Bhilai   **81.32%**, Honors   (August 2016 - December 2020)
❖ CBSE Class 12 : Science | SKPS Hr Sec School, Gopal Nagar   (May 2015)

SKILLS
❖ **Programming Language :** C (proficient) , C++ (Proficient) , core java , Java (Expert) , Python (proficient) , HTML/CSS (Proficient) , Shell Scripting (Proficient)
❖ **Technical skills :** Data Structure and Algorithms (DSA) , Problem-Solving , Spring Boot, API, REST API , Spring Security , JWT, RESTful web services ,JPA , multithreading , Thymeleaf , RDBMS (Relational database management system) , Elasticsearch , Apache Storm, Tomcat , Distributed Systems , MYSQL , NoSQL , Hbase , Git , GitHub , GitLab , Docker , CI/CD , Debugging , Microservices , Clean Code, Code Optimisation , Operating Systems, Object oriented programming, JSP, Automated Testing
❖ **Soft skills:** Communication-Skill , Interpersonal-Skill , Innovative , Collaborative , critical thinking, decision-making , leadership skills, contributive, strong written and verbal communication.

ACHIEVEMENTS
❖ Successful development and deployment of the first professional project from scratch.
❖ Module Lead : As module lead of the crawler, I got multiple opportunities to demonstrate in front of officials of the Home Ministry of India.
❖ Module Lead : As Backend Development module lead, I had the opportunity to interact and conclude the requirement elicitation process with the chairman of Power Grid of India (CodeBook).

CERTIFICATE
❖ **Cpp Certification by Spoken Tutorials Project , IIT Bombay**
❖ **Certification for Vocational Training on Web Development , SeedIt Solutions**
❖ **HackerRank Problem Solving**

ORGANIZATIONS
  ❖ **Center for Development of Advanced Computing** , Mumbai :   (September 2021 - present)

WebSite: Shubham's Portfolio (shubhamgit048.github.io)