Shubham Chouksey

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Work Experience

Associate Team Lead   Cognam   **Delhi, India**   June 2023 - present

- Led the design and development of the backend system for a blockchain app of Mexico's leading International payment processor, operating in 80 countries, driving monthly revenue of $1 billion, using Java and Spring framework.
- Led a 6-member back-end team with a good attitude, overseeing Sprint presentations, task allocation, deadline compliance in an agile and scrum setting, automating, deploying, and supporting large-scale infrastructure.
- Maintained a monolithic repository, writing and ensuring clean code, code reviews, and adherence to design principles increasing performance and scalability. Collaborating with frontend developers and ensuring seamless API integration.
- Managed technical documentation, crafted Jira user stories, database schema design, and streamlined development. Provided client consultation, and performance optimization for Continuous Integration resulting in enhanced satisfaction.
- Java, Spring boot, SQL, Scrum, Kafka, back-end, MVC, Agile, Redis, RESTful API, Java

Back End Developer   Cognam   **Delhi, India**   June 2021 - May 2023

- Delivered 30+ scalable APIs for new enterprise mobile applications of bank's finance system, including user registration, login, profile updates, various send money, notifications, writing automated test cases improving the user's experience.
- Designed and implemented a block-reader system that syncs database with blockchain up to 100,000 transactions per second, providing decentralized capabilities to traditional banking systems, using various test methodologies.
- Integrated multiple third-party systems with the product, including Twilio, SendGrid, Gmail SMTP, and S3.
- Transformed the Issuer Server with machine learning, ML-powered automated user KYC, cutting manual work by 95%, and boosting operational efficiency. Used Relational DBs and wrote SQL queries to save data of 100k customers.
- Java, Spring, Scripting, Jenkins, AWS, Cloud, Test automation, Back end, Test Driven Development, frontend

Skills

Languages	Java, C++, JavaScript, Python, SQL, Solidity
Frameworks	Spring, J2EE, Spring boot, JUnit, Unit Testing, jQuery, React, Node, Kubernetes, Ansible, JPA
Technologies & Tools	MySQL, MongoDB, Postgres, S3, Kafka, Git, distributed web services, Docker, Selenium, TDD, Linux, continuous improvement, API Development, NoSQL, Software Development, Postman
Some More Skills	CI/CD pipelines, backend, Full-stack, Design patterns, Microservices Architecture, Problem Solving, troubleshooting, distributed system, Software Engineer, Software developer, Systems

Projects

- **Quiz Application:** Creator of a responsive quiz, daily facts, and news application showcasing frontend and backend proficiency with Java, Spring boot, JavaScript, PostgreSQL for database management, and Gmail SMTP for seamless communication. Java, HTML, CSS, JS, React, Debugging, PostgreSQL, Shell Script, AWS, Docker.   Link to Website
- **Clustering on Gene Expression Dataset:** Engineered 4 different clustering techniques from scratch on cancer gene expression dataset in Python and UI/UX.   Link to GitHub
- **Terrace Farming Robot:** Designed, Analysis, Simulation, fabrication, and programmed a bronze medal-winning robot that can ascend, and descend stairs, and perform farming operations in hilly areas.   Link to GitHub

Education

2017 - 2021	B.Tech. from **Indian Institute of Technology(IIT), Patna**	(GPA: 8.04/10.0)
Relevant Coursework:	Computer Science, Data Structures, operating systems, OOPs, Object Oriented Programming, Databases, Algorithms, ML	

Awards & Achievements

- Won Bronze Medal amongst 23 IITs in DIC's Terrace Farming Challenge for hilly areas in Inter IIT Tech Meet.
- Secured 2nd position in Stage-1 and overall 16th in National Level Robocon contest and 99/100 in Stage-1 in Robocon.
- Ranked amongst the top 0.68% (amongst 1,400,000 candidates) in JEE Main 2017 and top 5.35% (amongst 2,00,000 candidates) in JEE Advanced 2017.
- Open source contribution in web3j library for Java