Chaitanya Bhardwaj
Software Engineer - Java

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WORK EXPERIENCE

Full Stack Engineer
Cognizant, Bangalore (July 2021 - Current)
- Developed REST APIs for a healthcare provider in North America; in-use by approx 60,000 users.
- Wrote, reviewed and delivered project, end-to-end on microservices for data validation using SpringBoot.
- Automated many processes, with SpringBatch services, which reduced manual effort by up to 97%.
- Developed a real-time event streaming system using Kafka for high-throughput, low-latency data processing
- Developed a full stack SpringBoot & Angular web application, for client's inventory management.
- Analysed and discussed system design of the application, and ensured best practises by following agile methodology.
- Identifying product requirements to software implementation, unit testing, configuring metrics, and dashboards.

Full Stack Engineer
Nlyze, Remote (November 2020 - March 2021)
- Delivered a web app featuring analytical dashboard using Javascript and with the help of open-source libraries.
- Provided real-time data visualisation and modification, resulting in a 75% reduction in report preparation time for data analytics team.
- Optimised CRUD operations by migrating to Firestore (NoSQL) from a relational database.

SKILLS
- Backend: Java, Spring Framework, Microservices
- Frontend: HTML, CSS, Javascript, Angular
- Database: MySQL, PL/SQL
- Cloud and tools: Azure DevOps, Docker, Kubernetes, Kafka
- Architecture and system design: Object oriented programming, Design patterns, Data Structures & Algorithms

TECHNICAL PROJECTS

HTTP Web Server
Implementation of an HTTP web server, in Java. This application can host websites, static content, scripts, etc.
It showcases: Sockets, Multi-threading, parsing HTTP request and building HTTP response.

Blockchain Simulator
A program that mimics how a blockchain operates.
It showcases: Mining, SHA-256, Proof-Of-Work and consensus using Distributed P2P network.

OpenAI Data Structure Predictor
This app recommends suitable data structures applicable for any given situation. Built using OpenAI API.
It showcases: Generative AI based application (GenAI), APIs.

TweetApp
A twitter clone, featuring posts and user authentication.
It showcases: Full stack development, SpringBoot, React, APIGateway, EurekaServer, SonarQube.

RESEARCH & PUBLICATIONS

Sports Image Classification
A framework for classifying sports images based on the environment and related surroundings.
Built on top of the Yolo darknet library which uses computer vision to detect objects. 1000x faster than R-CNN and 100x faster than Fast R-CNN.
It showcases: Inception V3 and Neural Networks

LINKS
LinkedIn: https://www.linkedin.com/in/chaitanya-bhardwaj-64657a132/
Portfolio: https://chaitanyabhardwaj.github.io/
GitHub: https://github.com/chaitanyabhardwaj

EDUCATION
B. Tech in Computer Science
Graphic Era University, Dehradun (2016 - 2021)