Abhishek M. Yadav | **Full Stack Developer**

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PROFESSIONAL EXPERIENCE

Software Engineer II | JP Morgan Chase & Co. | July 2022 - present

● Led full-stack development of critical features, UI pages, and workflows for 37 modules across 3 independent applications, serving 6,000+ active users across 3 regions in a real-time investment banking application. Took ownership of 3 modules and features, ensuring their development, maintenance, and end-to-end delivery using best practices to enhance system reliability and user satisfaction. Improved API response times from minutes to milliseconds through space-time complexity optimizations. Completed the migration of 3 critical applications to Kubernetes, significantly improving deployment process.

● Developed Microfrontends, Crafted 3 tools and utilities that significantly boosted team productivity, achieving 5,000+ monthly hits and adopted by a 28+ member cross-functional team. Recognized by senior management for driving proactive process enhancements and fostering a culture of innovation.

● Mentored multiple teams in internal hackathons; participated in multiple hackathons, Worked for NGOs projects that educate millions for children.

● Demonstrated adaptability, rapid learning and independent contribution, earning praise from peers and management for swift integration into diverse projects.

● Worked in a reporting application and optimized queries that extract data from terabyte-sized database, presenting it in a user-friendly format like graphs & tables.

Software Engineer Intern | Persistent Systems | Jan 2022 - June 2022

● Designed and implemented software solutions using Spring Boot, Java, React JS, and SQL. Recognized as a top performer during a 6-month internship, demonstrating strong problem-solving skills and dedication to learning new technologies.

● Actively participated in knowledge-sharing, contributing to a collaborative learning environment, and staying abreast of industry trends.

PROJECTS

Pancake: Developer Command Line Tool (April 2024 - Jan 2025)

https://github.com/a6h15hek/pancake

Technology used: GoLang, Cobra

● Created a multi-os command-line tool that streamlines project management workflows with simple commands. Tasks include syncing, building, running projects on a local machine, as well as installing and updating development tools.

● With Pancake, developers can share, migrate, and back up their entire development setup from one machine to another by sharing just a single config file.

PHP Satellite Server & Dashboard App (Feb 2021 - March 2021)

https://github.com/a6h15hek/php-satellite

Technology used: PHP, MySQL, REST, ReactJS, MaterialUI

● Engineered a Backend as a Service (BaaS) project deployable on PHP-compatible infrastructures for cost-effective web hosting project deployments.

● Implemented a User Management System and NoSQL Database (similar to MongoDB), storing data in key-value pairs within documents and Collections.

● Developed a dashboard app for developers and admins using ReactJS and Material UI for the efficient management of the PHP Satellite Server app.

BunkSquad: Attendance Manager & Polling App (Aug 2020 - May 2021)

https://a6h15hek.github.io/bunksquad-website

Technology used: Android Studio, Firebase, Java

● Created an Android app for real-time attendance tracking and management, generating reports for students of their attendance.

● Implemented a polling feature that enables users to create or join groups, initiate multiple-choice question polls, gather votes, and facilitated group decision-making. Users receive comprehensive statistical reports of all submitted votes.

RESEARCH & PUBLICATION

Cloud-based Application to Leverage the Coding in Education Institutions (August 2022)

https://ieomsociety.org/proceedings/2022india/172.pdf

● Conducted research and published a paper on using cloud-based applications to streamline coding education. Implemented methods to ensure a well-managed process, increase effectiveness and perform plagiarism checks.

● First Runner-Up, IEOM Society, 2nd India International Conference Paper Competition, 2022. Also implemented the solution in the final year project.

🎓 EDUCATION

B.E in Computer Science
YCCE, Nagpur, India
(July 2018 - June 2022)
CGPA: 8.56/10

SKILLS

Inventing, Adaptability, Planning
Java (Spring Boot)
Javascript (ReactJS, NodeJS)
GoLang (Cobra)
SQL & NoSQL databases
Web Development, Micro-frontend
MERN stack, HTML5/CSS
Android Development
Git, Linux
Kubernetes, Docker, AWS
AI, LLMs

☆ ACHIEVEMENTS

● AWS Certified Cloud Practitioner, demonstrating expertise in cloud computing and achieving certification.

● Won a cash prize at the EG-100 Educational Game Development Hackathon in 2021, an event organized by CDAC Mumbai and IEEE Bombay Section, demonstrating experience in educational game design and development.

● Finalist in GovTechThon 2020, hosted by IEEE Computer Society and supported by Oracle India and the National Informatics Centre (NIC) India.

● Passed the Graduate Aptitude Test in Engineering (GATE) in 2021, showcasing proficiency in engineering concepts.

● Finalist in the World's Biggest Open Innovation Model Smart India Hackathon (SIH) 2020, hosted by the Ministry of Human Resource Development (MHRD).

DISCOVER MORE…

● Check out my GITHUB for additional projects and achievements.

https://github.com/a6h15hek