

PROFESSIONAL EXPERIENCE

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

- 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.
- Developed micro-frontends and micro-services, automation utilities, jobs, and performance optimization tasks. Migrated multiple applications to Kubernetes and wrote DevOps scripts to ensure smooth deployment and development processes.
- Led the full-stack design and development of critical applications and features, encompassing frontend, backend, and DevOps tasks in a real-time investment banking application. Took ownership of 3 independent modules and features, ensuring their development and maintenance using best practices..
- Demonstrated adaptability, rapid learning and independent contribution, earning praise from peers and management for swift integration into diverse projects.
- Crafted tools and utilities that notably increased team productivity, earning recognition from senior management for proactive process enhancement.
- Mentored multiple teams in internal hackathons; participated in presentations, NGO projects and competitions.

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-platform command-line tool that streamlines various project management workflows with simple commands. Tasks include syncing, building, running projects on a local machine, as well as installing and updating development software and tools.
- With Pancake, developers can share, migrate, and back up their entire development setup from one machine to another.

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.

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 **Mumbai, India**

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)

Web Development, Micro-frontend

MERN stack, HTML5/CSS

SQL & NoSQL databases

Android Development

Git, Linux

Kubernetes, Docker, AWS

☆ 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 portfolio for additional projects and achievements.

<https://abhishek-me.web.app>