

Hardik Kapadia

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EDUCATION

University of Illinois at Chicago

Master of Sciences in Computer Science

Chicago, IL

Aug. 2023 – May 2025

University of Mumbai

Bachelor of Technology in Computer Engineering

Mumbai, India

Aug. 2019 – May 2023

TECHNICAL SKILLS

Languages: Java, Python, Javascript, SQL, C/C++, Dart, HTML/CSS.

Frameworks: Spring, Django, FastAPI, Flutter.

Libraries: JUnit, Mockito, numpy, BeautifulSoup, JQuery, AJAX.

Databases: PostgreSQL, MySQL, SQLite, MongoDB.

DevOps: Microsoft Azure, Google Cloud Platform, Microsoft IIS, Docker, GitHub Actions, Heroku.

Developer Tools: Git, Regex, Postman, Swagger, IntelliJ, PyCharm, VS Code.

EXPERIENCE

Software Engineer - Graduate Hourly

UIC College of Medicine

May 2024 – Present

Chicago, IL

- Collaborated on NIH-funded research project to develop a system for efficient management of critical and complex patient health information, facilitating advanced neurosurgical clinical research.
- Developed dynamic form-building functionality enabling researchers to design and customize complex data entry interfaces for multi-dimensional patient information
- Implemented granular role-based access control (RBAC), ensuring secure and tailored access to functionalities.
- Designed an intuitive interface that optimized user workflow, significantly enhancing researcher productivity.
- Architected an advanced asynchronous file upload system using IndexedDB and Service workers, enabling seamless handling of massive multi-format research files without impacting user experience.

Key technologies used: Python, Javascript, Django, PostgreSQL, HTML/ CSS.

Software Engineering Intern

Sahamati

Jan. 2022 – Mar. 2023

Remote

- Spearheaded the development of a Common Dispute Resolution System that streamlined communication with a CRM platform, automating ticket creation and reducing resolution time by over 60%
- Architected and delivered a micro-service enabling banks to seamlessly integrate the dispute resolution system into their mobile apps and websites, empowering users to report disputes effortlessly.
- Engineered a secure REST API service, allowing over 100 authorized users to fetch and selectively update data in a centralized database instantaneously, eliminating reliance on inefficient email communication.
- Followed rigorous SDLC methodologies, ensuring proper planning, comprehensive testing, and detailed documentation for each project.
- Played a critical role in maintaining and enhancing existing projects, implementing vital security fixes recommended by third-party audits, and establishing CI/CD pipelines using Docker and GitHub Actions for streamlined deployments.

Key technologies used: Java, Spring, PostgreSQL, GitHub Actions, Docker, Postman.

PROJECTS

Unilink | Python, Dart; Flutter, FastAPI, Tensorflow.

Nov. 2022 - May 2023

- Led the development of a multi-platform social media management app, cutting time spent per post by 60%.
- Utilized Social Media APIs for platform-specific functionality and OAuth 2.0 for login integration.
- Optimized the development roadmap through extensive documentation, user surveys, and planning.
- Contributed to an Open-source library to add specific functionality we needed from the library.
- Ensured seamless user experience by integrating Flutter front-end with Python back-end using a REST API.