Shubham Bhagat

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EDUCATION

Indiana University, Bloomington, Indiana   Aug 2021 – May 2023
Master of Science in Computer Science   *3.55 GPA*

University of Mumbai, Mumbai, India   Aug 2017 – Oct 2020
Bachelor of Engineering in Computer Engineering   *3.66 GPA*

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, PHP, SQL, HTML5, CSS3
Databases: MySQL, PostgreSQL, MongoDB, AWS DynamoDB, Redis, SQLite
Frameworks: ReactJS, NextJS, Spring Boot, Spring MVC, React Native, Flutter, JUnit, Hibernate, Flask, MuleSoft
Tools/Technologies: Git, GitHub, Maven, AWS (S3, Lambda), Postman, Docker, RESTful APIs, jQuery, AJAX, JWT
Certifications: Oracle Certified Associate Java Programmer, MuleSoft Level-1 Developer
Topics: Data Structures, Algorithms, Distributed Systems, Web Development, Artificial Intelligence, Agile, Microservices

EXPERIENCE

System Analyst - Graduate Assistant   April 2022 – present
University Graduate School - Indiana University   *Bloomington, Indiana*

- Migrating the existing graduate application system to Fireform and integrating Fireform with Salesforce CRM.
- Created 10+ REST APIs in PHP to handle AJAX calls from Fireform and optimized complex SQL queries to store and retrieve data thereby reducing API response time by 23%.
- Handled critical production failure by performing backup and update of Machforms to support PHP version 8.0; recovered the system in 4 hours which served vital business KPI.

Associate Instructor   Jan 2022 – May 2022
Indiana University Bloomington   *Bloomington, Indiana*

- Mentored 30+ students to develop a real-world full-stack application following Scrum methodology.
- Evaluated MVP of teams for each sprint and provided constructive feedback for improvements.

Application Development Associate   Jan 2021 – June 2021
Accenture   *Mumbai, India*

- Automated data integration between Newgen and Salesforce system by developing REST APIs for redirecting trade exceptions to appropriate handlers; reduced man-hours by 72%.
- Improved code quality and stability by writing MUnit Tests and SonarQube quality checks; ensured 80% code coverage.
- Developed 8+ System APIs using MuleSoft to extract data from CSV files, databases, and SOAP web service.
- Orchestrated data processing and filtering by writing Process APIs to transform XML data into JSON objects.

PROJECTS

Readify | *ReactJS, Material UI, Python, Flask, MySQL, Heroku, Figma*   Jan 2022 – April 2022

- Led a team of 4 to build a platform for users to explore books, create book lists, and generate book recommendations.
- Processed raw book data for 300k+ book records and built a content-based book recommendation system using features such as title, genre, author, and rating.
- Assisted team members to optimize recommendation algorithm resulting in 86% reduction in response time.

RentALL | *Java, HTML5, CSS3, JavaScript, jQuery, Bootstrap, MySQL, AWS S3*   Sept 2021 – Dec 2021

- Spearheaded a team of 3 to engineer a rental and advertisement platform involving OAuth, product filtering, textual search, chatbot, chat messaging, and recommendation system.
- Utilized Google Maps API to display product location and Web Speech API to implement voice-activated search.
- Strategized sprint planning, backlog refinement, user stories management, and team meetings as a Scrum Master.
- Facilitated team members to deploy the web app on Heroku and configured AWS S3 Bucket to store product images.

Happy Gramps | *Flutter, Dart, SQLite, Figma*   Jul 2019 – Mar 2020

- Managed a team of 2 to construct an android application that addresses the safety needs of senior citizens.
- Redesigned algorithm to use smartphone's gyroscope and accelerometer to compute threshold values for fall detection.
- Leveraged flutter's geocoder library to notify emergency contacts about the user's current location.