

Pawas Aggarwal

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WORK EXPERIENCE

Digital Management, Inc.

Indianapolis, USA

Associate Software Engineer

August 2022 – April 2023

- Developed responsive webpages in TypeScript & React using Visual Studio for a Healthcare Insurance User Portal to improve user experience
- Maintained 2+ code repositories through Azure DevOps and Git, ensuring timely completion of user stories by closely reviewing acceptance criteria
- Reviewed 3+ teammates' pull requests weekly, providing constructive feedback to enhance code quality
- Engaged in daily Scrum meetings via MS Teams, actively sharing progress updates and offering insightful suggestions to boost team performance
- Analyzed 3+ MS SQL Databases using Aqua Data Studio, troubleshooting data inconsistencies to ensure accuracy
- Enhanced data integrity checks by implementing heap tracking for 2+ webpage elements
- Created detailed TypeScript documentation for webpage components using Azure DevOps and Markdown, streamlining front-end & back-end communication

Software Engineer Intern

May 2022 – August 2022

- Enhanced development process by adding IDs to 5+ React webpage elements using TypeScript and Visual Studio Code, increasing QA testing efficiency
- Refactored 3+ API using Git response classes removing deprecated code and ingesting automated clients
- Automated API client generation for 20+ portal models with OpenAPI and NPM, eliminating manual creation

TechPoint

Indianapolis, USA

Hackathon Participant

June 2021 – July 2021

- Programmed website plugin using JavaScript and Django for Learning Systems, boosting student engagement
- Conducted research through Google Forms, gathering insights from 30+ K-12 teachers in the Indianapolis district
- Designed plugin prototype with Figma in a remote team of 4, dedicating 20+ hours weekly

Center for Research and Learning, University

Indianapolis, USA

Mobile Application Research and Development Intern

June 2020 – July 2020

- Developed bug-free mobile application components in React with Firebase integration, deploying to both Android and iOS using Visual Studio Code and GitHub
- Analyzed research data from peer-reviewed articles to determine the optimal app design
- Conducted surveys with 50+ students using mobile application test runs to identify and resolve bugs and errors

LEADERSHIP EXPERIENCE

Computer Science and Information Department, University

Indianapolis, USA

Computer Science Teaching Assistant

January 2021 – May 2022

- Conducted weekly lab sessions, individually guiding 15+ students in Python, C++, & Java Programming Courses
- Collaborated with 3+ graders via Canvas and Zoom to efficiently grade 90+ assignments weekly and check for plagiarism

Office of International Affairs, University

Indianapolis, USA

International Peer Mentor

May 2020 – April 2022

- Supported 4+ undergrad students from 20+ countries via instant messaging and email, fostering college success
- Coordinated welcome events for 100+ incoming students by directing 4 co-mentors using MS 365 Planner
- Organized 10+ engaging activities and games annually, collaborating with a diverse team of 11 co-mentors for monthly events to enhance mentee socialization

EDUCATION

Purdue University

Indianapolis, USA

Bachelor of Science in Computer Science, Minor in Mathematics; GPA: 9.55/10

January 2019 – August 2022

TECHNICAL SKILLS

Certifications: SAFe 5 Practitioner

Languages: JavaScript, Java, Python, C/C++, C#, SQL, HTML/CSS, R

Frameworks: TypeScript, React, Node.js, Material-UI, FastAPI

Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Libraries: pandas, NumPy, Matplotlib