

SAMUEL FESSEHAYE

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EDUCATION:

Indiana University - Purdue University Indianapolis (IUPUI) |
Bachelor of Science in Computer Science / Minor in Mathematics
GPA:3.3

Dec '22

EXPERIENCE:

JPMorgan Chase & Co.

Software Engineer

Feb '23 – present

- Currently, I am a Full-time Software Engineer working with technologies such as .NET, Spring, Kafka, Oracle, etc.

IUPUI

Teaching Assistant / Grader

Aug '21 – Dec '22

- As Peer Leader in CSCI 24000, an intermediate programming course, I held lab classes online and/or in person.
- Helped students understand key concepts in Object-Oriented-Programming in C++ and Java.
- Graded students work and provide constructive feedback.

JPMorgan Chase & Co.

Software Engineer Summer Intern

Jun – August '22

- Developed a web application that could be used by new interns and won **2nd place in JPMC's Global Hackathon** event.
- Developed an internship project that could be used by branches to report incidents, and Global Security could see a dashboard with data/stats to act.
- Learned Full-Stack development with React, Java Spring-Boot, Oracle Database, Cassandra.
- Acquired good experience with Agile Methodology and using Jira to manage projects. Also, running scrum meetings as scrum master throughout sprints.
- Used Confluence Atlassian software to collaborate and document project progress.
- deployed application to firm's datacenter with Cloud Foundry push (CF push)

IUPUI

Research Assistant

Sep '21 – May '22

- Collaborated with a multidisciplinary team to complete research
- Redesigned a better prototype of the device based on research
- Improved a performance of the software by reviewing and rewriting it
- Presented our findings at a research symposium at IUPUI

PROJECTS:

Major Projects Completed in Courses

- Airline Reservation System with OOP design in Java, run in command line.
- Simple spelling checker and word suggestion program using HashMap data structure in C++
- Hospital Database System with Oracle, PL/SQL.
- Website for IUPUI students to report their internship hours, built with HTML, CSS, PHP

Other Projects:

- Created my e-Portfolio website using React

RELEVANT COURSES:

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| <ul style="list-style-type: none">Principles of Software DesignServer-Side Programming,Adv Oracle Database ProgrammingDatabase SystemsAlgorithms & Data Structures | <ul style="list-style-type: none">Principles of Software EngineerArchitecture of ComputersFundamentals of Software Project ManagementIntroduction to IoTIntro to Operating Systems | <ul style="list-style-type: none">Systems SecurityTheory of ComputationMultidimensional MathLinear AlgebraCalculus I, II & IIIMechanics |
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TECHNICAL SKILLS:

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| <ul style="list-style-type: none">Object-Oriented DesignDatabase DesignServer-Side DevelopmentAgile MethodologyDesign Patterns | <ul style="list-style-type: none">Java, C#, C++, JavaScript, Python,Oracle DB, Cassandra, MySQL, MongoDB, PL/SQLHTML, CSS, PHP, React, .NET, Spring.Git, Kafka, Jira, Confluence, Jules, Jenkins | <ul style="list-style-type: none">IntelliJ, VS Code, Atom, EclipseAzure data studio, phpMyAdmin, Oracle SQL DeveloperPostman, Swagger |
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