

# 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

Jun – 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 **2<sup>nd</sup> 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"><li>Principles of Software Design</li><li>Server-Side Programming,</li><li>Adv Oracle Database Programming</li><li>Database Systems</li><li>Algorithms &amp; Data Structures</li></ul> | <ul style="list-style-type: none"><li>Principles of Software Engineer</li><li>Architecture of Computers</li><li>Fundamentals of Software Project Management</li><li>Introduction to IoT</li><li>Intro to Operating Systems</li></ul> | <ul style="list-style-type: none"><li>Systems Security</li><li>Theory of Computation</li><li>Multidimensional Math</li><li>Linear Algebra</li><li>Calculus I, II &amp; III</li><li>Mechanics</li></ul> |
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## TECHNICAL SKILLS:

- |  |   |   |
|--|---|---|
| <ul style="list-style-type: none"><li>Object-Oriented Design</li><li>Database Design</li><li>Server-Side Development</li><li>Agile Methodology</li><li>Design Patterns</li></ul> | <ul style="list-style-type: none"><li>Java, C#, C++, JavaScript, Python,</li><li>Oracle DB, Cassandra, MySQL, MongoDB, PL/SQL</li><li>HTML, CSS, PHP, React, .NET, Spring.</li><li>Git, Kafka, Jira, Confluence, Jules, Jenkins</li></ul> | <ul style="list-style-type: none"><li>IntelliJ, VS Code, Atom, Eclipse</li><li>Azure data studio, phpMyAdmin, Oracle SQL Developer</li><li>Postman, Swagger</li></ul> |
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