

SUKHBIR SEKHON

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EDUCATION

University of Cincinnati

Master's, Business Administration

August 2021 - May 2023

GPA: 3.9

University of Cincinnati

Bachelor's, IT (Track: Software Dev and Networking Systems)

August 2018 - May 2023

GPA: 3.99

PROFESSIONAL EXPERIENCE

JP Morgan Chase

Software Engineer III

Columbus, OH, USA

May 2023 - Present

- Developed and supported web applications using Java, Spring, and AngularJS, improving efficiency and user experience
- Collaborated with product managers and business analysts to assemble requirements and translate them into technical specifications
- Designed and implemented RESTful APIs to enable seamless integration between front-end and back-end systems
- Orchestrated the implementation of automated testing procedures utilizing JUnit and Selenium, resulting in a 40% decrease in software defects and a 25% enhancement in product quality and user experience
- Mentored and coached junior team members, providing guidance on best practices, coding standards, and architectural principles to foster their professional growth and development
- Conducted technical interviews for positions ranging from junior to senior level engineers, assessing candidates' technical skills, and cultural fit within the team

Fidelity Investments

Full-Stack Software Developer Intern

Covington, KY, USA

May 2022 - August 2022

- Revolutionized software operations by implementing Real-time User Management (RUM) tool across all departments, resulting in a 40% decrease in system downtime and a 25% increase in overall productivity
- Collaborated with a cross-functional team to develop and implement new features for an existing web application
- Contributed to the design and implementation of web applications, enhancing the overall user experience and receiving positive feedback from end-users
- Investigated and resolved software defects, employing strong debugging skills to ensure the stability and reliability of the application

GE Aerospace

Digital Technology Intern

Cincinnati, OH, USA

May 2021 - May 2022

- Designed and developed a user interface for MSO executives to simplify the wing-to-wing MSO services business by providing the ability to see trends in orders/service contracts in a dashboard format, increasing visibility and allowing executives to make timely decisions
- Created technical architecture diagrams for the whole testing facility of a Computer-Assisted Defect Recognition (COMPADRE) software that helped to find baseline differences between other production shops across 7 states
- Wrote a program that helped to validate the data migration process of an old gauge calibration software to a new enhanced version of the software
- Supported and discovered the process of AI assistance to manual aircraft engine part inspectors through custom-built artificial defect recognition software and machine learning technologies

GE Appliances, a Haier Company

Digital Technology Intern

Louisville, KY, USA

August 2020 - December 2020

- Implemented 14 services to the Brilliance Adapter, which added new functionalities to Smart Home Cloud. For example, some of the services allow users to remotely control their Zoneline air-conditioner and get an alert 5, 10, or 15 minutes before the end of the cycle for their connected washers or dryers.
- Built 'Appliance 360' consumer-facing application, which provides consumers with more real-time information about their WiFi-connected appliance. For example, a consumer can check appliance online/offline status, door status, set temperature, cycle history, leak detection, etc.
- Visualized the data flow of Smart Home Solutions by creating over 14 AWS and Kibana dashboards, making cloud operations easier to manage and debug

The Cincinnati Insurance Companies

Software Developer Intern

Fairfield, OH, USA

May 2019 - August 2020

- Implemented a checks and balances system for multiple integral components of a company's IT systems.
- Created multiple search dashboard pages for an essential IT system in order to help system admins troubleshoot incidents and reports from vendors.
- Led a team of interns to create an application that extracts email data using UIPath and insert the data to another business entity application.
- Created an AI process or system using Azure during code jam for incoming medical records to begin a claim process in the Insurance Department.

University of Cincinnati IT Solutions Center

DevOps Engineer

Cincinnati, OH, USA

September 2018 - April 2019

- Orchestrated containerized environments using Docker and container orchestration platforms like Kubernetes, enabling scalable and resilient deployment of applications across development, staging, and production environments
- Implemented monitoring and alerting solutions using ELK stack, enabling detection and resolution of infrastructure and application issues to minimize downtime and improve reliability.

PROJECTS & OUTSIDE EXPERIENCE

Hobbyistic

Full-Stack Software Developer

August 2022 - May 2023

- Won University of Cincinnati IT Expo 2023 as a best project in the category of Food and Hobby
- Collaborate with the team to design and develop the Hobbyistic web application using Java for the backend and Angular for the frontend
- Implement responsive and user-friendly UI components using Angular framework
- Link to the project: <https://github.com/sukhbirsekhon/Hobbyistic>

COVID-19 Tracker

Product Owner

May 2020 - May 2021

- Developed a Covid-19 tracker application for the Android platform from concept to deployment on the Google Play Store
- Integrated third-party APIs for fetching and displaying live Covid-19 statistics, ensuring accurate and up-to-date information for users
- Link to the project: <https://github.com/sukhbirsekhon/CovidTracker-Android>

CERTIFICATIONS

Microsoft Azure Fundamentals (AZ-900), GE Digital Enterprise Program, Agile 101

SKILLS

Programming Languages: Java, AngularJS, NodeJS, ReactJS, C#, C/C++

Database: Oracle SQL Developer, MySQL, MongoDB

Others: TDD, REST APIs, GIT, Apache, OOP, AWS, Azure, Google Cloud Platform, Spring, Springboot, Express, Mockito, Docker, Kubernetes, Jenkins, Splunk Cloud, JUnit