

Johnson Ejeh

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SOFTWARE ENGINEERING TECHNOLOGY – COOP STUDENT

Dynamic **software engineering student** with a mechanical engineering foundation, offering a unique blend of technical expertise. Fueled by a fervor for innovative problem-solving and a relentless drive to shape powerful software solutions, I bring a valuable perspective that bridges mechanical precision with digital ingenuity. Ready to contribute versatile skills and fresh ideas to advance your team's success in creating a future where these worlds converge seamlessly.

TECHNICAL SKILLS:

- Programming Languages: Python, C#, JavaScript, Java
 - Tools & Technologies: Flask, SQLAlchemy, Mongoose, JavaFX, Bootstrap, JQuery, React.js, Node.js, Angular.js
 - Databases: SQL Server, SQLite, MySQL, MongoDB, Oracle SQL
 - Version Control: Git, GitHub
 - Software Development Life Cycle: Agile, Iterative methodologies, Object-Oriented Software Design
 - UI/UX Design: Wireframing, responsive design
 - Problem Solving: Analytical thinking, troubleshooting skills
 - Cloud Platforms: MS Azure, Heroku, and Amazon AWS
 - Communication: Strong verbal and written communication skills
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EDUCATION

Software Engineering Technology Co-op

Sept. 2022 - Present

Centennial College, Toronto, ON

- GPA - 4.43/4.5

Mechanical Engineering Technology Co-op

Sept. 2016 – April 2019

Centennial College, Toronto, ON

- GPA - 4.19/4.5

Related Courses:

Programming I, II, III

Software Engineering Methodologies

Networking for Developers

Systems Integration

Advanced Database Concepts

Client-Side Web Development

Java Programming

Software Fundamentals

Unix/Linux Operating System

Mobile Apps Development

Software Testing and Quality Assurance

Project Management

RELATED PROJECTS

Healthcare Management System Project/ Systems Analysis and Design

May - Aug. 2023

- Developed healthcare management system optimizing medical processes, communication, and reporting.
- Utilized Dependency Injection for flexible user-related functionalities, adhering to design patterns.
- Designed intuitive UI/UX using Adobe XD aligned with user stories, focusing on user-centered design.
- Employed UML diagrams (Class, Use Case, Component, and Deployment) in Visual Paradigm for clear visualization and integration flexibility.
- Successfully delivered fully functional system enhancing processes and communication.

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NFT Selling Platform (React.js, Motoko, Custom Coin)

Sept. - Dec. 2022

- Implemented user authentication to safeguard user accounts and data.
- Designed and developed a web-based NFT (Non-Fungible Token) selling platform.
- Utilized React.js for the front-end to create an intuitive and engaging user interface.
- Implemented Motoko for the back-end to ensure scalability, security, and efficient data handling.
- Introduced a custom cryptocurrency (coin) to facilitate secure transactions within the platform.
- Implemented user authentication to protect user accounts and data.
- Successfully launched the platform, fostering a marketplace for digital collectibles and contributing to the growth of the NFT ecosystem.
- Utilized agile development methodologies for iterative feature implementation and continuous improvement.
- Conducted regular testing to identify and resolve bugs, enhancing platform stability and security.

Password Manager (Web Application/ Flask)

Jan. - Apr.2023

- Created Flask-based password manager with secure SQLAlchemy database interaction.
- Implemented user authentication and access control using JSON Web Tokens (JWT) for heightened security.
- Ensured data security with password hashing, salting, and HTTPS for encrypted communication.
- Followed OWASP guidelines, employed input validation and sanitization to prevent vulnerabilities.
- Managed error handling for informative user feedback, while updating dependencies and ensuring high availability on Heroku.

Mobile App Development (Kotlin, Android)

Jan. - Apr.2023

- Developed an innovative location-based mobile app designed to provide users with real-time weather information and an engaging experience.
- Leveraged Android and Java to create the app, ensuring cross-device compatibility and smooth performance.
- Integrated third-party APIs and data sources to fetch accurate and up-to-date weather data from various locations worldwide.
- Implemented user-friendly features such as customizable weather forecasts, real-time weather updates, and interactive weather maps.

OTHER WORK EXPERIENCE

Customer Service Representative (Part time)

May 2022 - Present

Regional Municipality of Peel, Mississauga, ON

- Provided exceptional customer service, addressing inquiries and concerns via phone and email.
- Assisted clients with a wide range of technical and non-technical issues.
- Managed and maintained customer records in a meticulous manner.
- Collaborated with the team to improve customer satisfaction and streamline processes.
- Gained valuable experience in problem-solving, communication, and client interaction.

Teen Coders (Volunteer)

May 2022 - Present

Center of Life Church, Etobicoke, ON

- Mentored teenagers in coding, teaching them to create games and web applications.
- Facilitated interactive workshops, fostering a passion for technology and programming.
- Provided guidance and support to help students overcome coding challenges.
- Strengthened communication and teaching skills through hands-on mentoring.