Hardik Rana

Software Engineer

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May 24, 2024

Aneesah Rashad
Campus Relations Specialist
Fidelity Investments Canada
483 Bay Street, Suite 300
Toronto, ON M5G 2N7

Re: Student, Investly Software Development – Job ID: J50579

To Aneesah Rashad,

I am excited to submit my application in consideration for the Student, Investly Software Development role with Fidelity Investments Canada. I believe I can offer a significant contribution to your team, bringing with me 6 years of professional experience as a Software Engineering, with a skillset that includes design, development, and software project management. My passion for developing efficient and creative software continues to drive my goals, and I am excited about the opportunity to contribute to my skills to your team.

Most recently, I have worked in roles such as Mobile Application Developer and Software Engineer, having accumulated extensive industry experience with both frontend and backend technologies. In addition to my work experience, currently, I am a student of Software Engineering Technology Advanced Diploma, while also holding a Bachelor of Computer Science and Engineering degree. Specifically speaking, my skillset includes programming with C++, Java, JavaScript, SQL, HTML, CSS, Typescript, and frameworks and libraries such as Node.js, Express.js, React Native and Angular. Furthermore, I have demonstrated proficiency with code versioning using GitHub and using industry tools such a Jira for tracking. My experience in developing web applications, managing enterprise applications and developing effective solutions can help to ensure projects run smoothly and efficiently. Throughout my professional career, I have been recognized as a collaborative person who has strong critical thinking skills and is able to effectively conceptualize out-of-the-box and creative solutions.

I understand that Fidelity Investments Canada provides Canadian investors a full range of domestic, international, and global equity and income-oriented mutual funds, as well as asset allocation, managed solutions, ETFs, sustainable investment funds and a high-net-worth program. I am very excited about the work you do an would welcome an opportunity to contribute to your team.

Thank you for considering my application. I look forward to discussing my skills and experiences with you further. I can be reached at the above contact at your convenience.

Sincerely,

Hardik Rana

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SUMMARY

Experienced **Software Engineer** with over **6 years of experience** in building robust, large-scale applications. Proficient in **Node.js** and **Express.js** for backend development, adept at **front-end** development, skilled in **C++** for Windows applications, and experienced in **mobile application development** using **React Native**. Specializes in **database optimization** to enhance performance. Possesses a collaborative mindset, with proven adaptability, time management skills and creative approaches to problem-solving.

TECHNICAL COMPETENCIES

Programming: C++, Java, JavaScript, SQL/mySQL, HTML, CSS, Typescript
Frameworks & Libraries: Node.js, Express.js, Angular, MFC
Mobile Development: iOS & Android Development; React Native, Android Studio
Tools: Visual C++, OpenCV, FFMPEG, Jira, GitHub, Visual Studio Code, MS Office, IntelliJ, Docker, AWS
Additional Skill Areas: Agile Technology, Image Processing, Object-Oriented Design, GUI Design

RELEVANT EXPERIENCE

Mobile Application Developer, Student Researcher (P/T)   April 2024 - Present
WIMTACH Technology Access Centre - Centennial College, Toronto, ON
- Lead the development of a mobile application using **React Native** for the frontend, ensuring cross-platform compatibility and a seamless user experience across **iOS** and **Android devices**
- Implement robust backend solutions using **Node.js** and **Express.js**, providing efficient communication between the mobile application and server-side logic
- Leveraged React Native's component-based architecture to create reusable UI components, optimizing development time and maintaining consistency in the application's design
- Implemented user authentication and authorization features using JWT (JSON Web Tokens), enhancing the security of the mobile application and protecting user data
- Utilized asynchronous programming techniques in both frontend and backend development to ensure smooth and responsive user interactions, even with potentially slower network connections

Senior Software Engineer   July 2021 - March 2024
WiseDV, Vadodara, India (Remote)
- Collaborate with Development team to design and implement backend solutions for web applications
- Implement user authentication and authorization mechanisms for secure access to resources
- Participate in code reviews and contributed to continuous improvement of development processes
- Utilize front-end languages and libraries such as **HTML/CSS, JavaScript**, and frameworks like **Angular** to create fast and responsive user interfaces
- Design and optimize **MySQL Server** databases, writing queries to enhance performance/scalability
- Engineer Playout solutions, optimizing networking protocols (TCP/UDP) for streaming quality; leverage FFMPEG transcoding/**OpenCV** for real-time image processing and seamless video-audio streaming
- Troubleshoot production processes to identify the cause of issues and effectively resolve problems
- Effectively communicate with clients and team members to address project requirements

Software Engineer   July 2018 - June 2021
WiseDV, Vadodara, India
- Develop deep understanding of software development lifecycle including design, coding, and testing, creating highly functional application sets for a large software development company
- Utilize **Jira** for maintaining bug tickets and manage project source code and versioning using **GitHub**
- Troubleshoot and resolve issues by analyzing call stacks, trace files and performance data, ensuring the root cause of bugs is identified and addressed

Software Engineer continued…

- Monitor the design and subcontracting of tools and fixtures according to the production requirement; redesign existing software for current in-use business applications
- Collaborated with cross-functional teams to design/implement applications & cloud-based microservices

EDUCATION

Software Engineering Technology (Co-op) Advanced Diploma   Jan. 2024 - Present
Centennial College, Toronto, ON
Focus Areas: Java Programming | Mobile App Development | Software Systems Design

Bachelor of Computer Science and Engineering   May 2014 - June 2018
Maharaja Sayajirao University, India