# KEVIN X. LOPEZ

## Software Engineer

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Dear Team:

I am passionate about using my technical expertise to deliver innovative solutions, efficient systems, and optimized user experiences. I would love to bring my skills and experience to contribute to the success of your organization as a Software Engineer.

**Software Engineering**: I am passionate about technology, and I have dedicated my education and career to that. After earning a bachelor's degree in computer science, I began working as a Software Engineer at Control Concepts. In this role, I develop Building Automation Software for Smart Building systems across clients. I use Java and C for programming, engineer C programs, and program Java and Kotlin modules for the Niagara Framework and its APIs for additional algorithms, controls, analytics, and efficiency. I also lead software development and engineering efforts for new feature implementation, including an automated email system, environmental diagnostic program, notepad system, and water usage program. My day-to-day responsibilities involve coding, building, testing, and deploying software following CI/CD methodologies.

**Technical Expertise**: I am proficient in a wide range of programming languages, including Java, C, C++, Python, and Ruby, as well as cloud technologies like AWS. Additionally, I am experienced with tools such as Git, GitHub, PyCharm, and Virtual Box. In my spare time, I work on projects that advance my skills, such as designing a self-driving robot with camera vision using computer vision and localization AI techniques. I've also built a tool that handles missing data and predicts new outcomes using Python libraries and algorithms like K-means, linear regression, and random forests. I am constantly seeking to expand my technical expertise to tackle increasingly complex problems.

**Team Leadership and Collaboration**: Finally, I have worked with internal teams, vendors, clients, and leaders. I know the importance of facilitating discussions and collaborating with cross-functional team members to produce successful outcomes. I am also effective in quickly understanding the needs of diverse stakeholders to gather their requirements for project execution. At Control Concepts, I integrate embedded systems from partners such as Samsung, Siemens, and Daikin into larger ecosystems, and I collaborate with clients to address IoT and Smart Building needs. I also lead my team's efforts to ensure that our software engineering deliverables meet the highest standards of quality and performance.

I am very excited about this opportunity and strive to work with a company that shares my commitment to growth and innovation. Your team feels like the right fit.

Thank you for your time and consideration. I look forward to the chance to speak with you and your team.

Sincerely,


Kevin Lopez