**Sahil Kaswan**

Dublin

+ 353 89 962 5271 [Sahil\_kaswan@yahoo.com](mailto:Sahil_kaswan@yahoo.com)

***PROFILE :***

Detail-oriented, competent, and certified Crestron programmer with over 4+ years of experience in programming for AV control systems. Sound understanding of automation products, and capable of installing equipment at client side as and when necessary. Proficient in troubleshooting the code to remove errors for effective as well as efficient functioning of automation equipment. Confident communicator, strategic thinker, and innovative creator to develop software that is customized to meet a company’s organizational needs, highlight their core competencies, and further their success.

***SUMMARY OF SKILLS:***

* Language: Proficient in Python, HTML, CSS, JavaScript, Crestron SIMPL, SQL and VHDL.
* Software Testing: Strong knowledge and experience in Manual Testing, functional testing, integration testing, End to End Testing, Performance testing, Smoke Testing, Defect management, Defect Tracking, Requirement Analysis.
* Working knowledge of various Tools and API, including Postman, RESTFUL API, Bootstrap and Grid.
* Adept in maintaining code snippets and saving them to personal and cloud repositories.
* Ability to work cooperatively in team-oriented environment and possess excellent organizational, customer service as well as communication skills.

***WORK EXPERIENCE:***

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| **July 2019 –**  **Present** | **Audio-Visual Software Engineer, Rockbrook Engineering, Dublin**   * Design control system for various sites using Creston, BrightAuthor, JavaScript, HTML, CSS, PHP platforms. * Worked with software development and testing team members to design and develop robust solutions to meet client requirements for functionality, scalability, and performance. * Reviewed project specifications and design technology solutions that met or exceeded performance expectations. * Integrated third-party tools and components into applications. * Identified and documented project changes with proactive budget oversight. * Monitored and repaired audio, video, control systems and video conferencing equipment. * Adhered to safety protocols while installing projectors, displays and speakers. * Used industry expertise, customer service skills and analytical nature to resolve customer concerns and promote loyalty. * Provide training to co-workers, new staff and clients. * Repaired malfunctioning system components. * Think “design” (i.e.: domain driven design) and have discussions with colleagues about the architecture. * Write and maintain APIs with high request volumes and ensure performance. * Take ownership of a group of microservices and suggest relevant improvements when needed. * Communicate efficiently with partners to make sure that the deliveries will meet the expectations. * Keen to simplify processes, code, and deliveries to increase efficiency |
| **Jun 2012 – Sept. 2012** | **Trainee, APPIN Technology Lab, Noida (Embedded Robotic Systems Training)**  Challenging but rewarding experience over 2.5 months with continual coaching by experienced members of the IT management team. A final report had to be submitted and presented upon return to university. Responsibilities:   * Worked on Keil Uvision 4.4 software for programming on 8051 Controller. * Involved in making circuits board and designing the PCB for robot. * Wrote software to enable the robot to run and tested the software. * Participated in on-the-job training, working closely with supervisors and co-workers and asking appropriate questions. * Offered technical support and troubleshot issues to enhance office productivity. * Tested features, documented findings, modelled trends and submitted reports. |

***EDUCATION:***

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| **Sept 2016 –**  **Oct 2018** | **Master’s in computing in Advanced Software Development (Level 9),** *Technological University Dublin* formerly *Dublin Institute of Technology.*  **Subjects:** Advanced Databases, Software Design, Secure Systems Development, Programming Paradigms, Problem Solving, Communication & Innovation.   * Member of LGBTQ+ society. * Took part in various competitions like board games, Code competition, escape rooms. |
| **Jan 2016 –**  **Jun 2016** | **Masters Qualifier (CPD) in Computing (Level 8)** *Dublin Institute of Technology.* **Subjects:** Object Oriented Software Development, Web & User Interface Design, Databases, Systems Analysis & Testing, Architecture, Operating Systems & Networking |
| **Jun 2010 –**  **Jun 2014** | **B. Tech (Hons) Level 8 in** Electronics & Communication **Engineering** **JCDM College of Engineering**, *Kurukshetra University in Sirsa, India.*  **Relevant Subjects:** Math, Fundamentals of computers, Data Structure, Digital Electronics, Microprocessors, Distributed Control System (DCS), Supervisory control and data acquisition (SCADA), VHDL Design, & Optical Communications.   * Organized **PCB Designing** Workshop at JCDM College of Engineering on 11th and 12th November 2013. * Member of Electrocom Society (ELS) at University.. * Completed Basic **Computer and Tally course** from July to December 2014 with 66% at **MSL College of IT and Management**, Sri Ganganagar. |
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***SKILLS:***

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| Programs: | Microsoft Visual Studio, SQL Developer, Virtual Machine, Microsoft Office, Adobe Photoshop, Movie Maker, Video Editors. |
| Interpersonal: | Positive attitude, Problem solving, responsible and helpful nature, adaptable to new circumstances, strong determination and dedicated, able to inspire trust and a good listener. I work well independently or as part of a team. |
| HOBBIES | Traveling, Tennis, Cricket, Cycling, Hiking, Board games, going to concerts. |