

# Muhammad Hamid Jamil

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## Education

**Comsats University Islamabad, Lahore campus**

Feb 2019 - Feb 2023

**Bachelor of Computer Science**

- **Courses:** Studied Object-Oriented Programming in C++, Compiler Design, Algorithms, Operating Systems, Data Structures, Full-Stack Web Development, Artificial Intelligence, Computer Graphics, Machine Learning, and Digital Image Processing.

## Skills

Languages: C++, C, Python, Java, Ruby on rails and Java script

Technologies: Redux, PostgreSQL, MongoDB, AWS, GCP, Azure, Docker, Kubernetes, Git, ELK Stack, Cloudflare, Nginx, Redis, IoT, and Single Board Computers (SBCs).

## Experience

**Visnext Software Solutions:**

Feb 2023 - Current

As a Software Engineer at Visnext Software Solutions, I contributed to diverse projects like [CareCloud](#), [DonorBox](#), BTH, and Shopify based projects. Collaborating within cross-functional teams and meeting project timelines. These experiences sharpened my coding skills and problem-solving abilities, keeping me updated with the latest industry trends.

## Projects

- **CareCloud:** Developed a comprehensive health monitoring app, enhancing communication skills through managing scheduled jobs and client portal features. This project required effective collaboration and precise scheduling, refining my ability to handle complex client interactions.
- **VIVUP:** Gained proficiency in React, Ruby on Rails, Redux, and database management. Working on VIVUP improved my understanding of modern web technologies and state management, enabling me to build scalable and maintainable applications.
- **DonorBox:** Improved expertise in integrating diverse payment methods and advanced full-stack development skills. This project involved working with various payment gateways, enhancing my ability to implement secure and efficient transaction processes.
- **AirisQ:** Strengthened skills in Ruby on Rails, React, and DevOps practices, including CI/CD pipelines and cloud deployment. AirisQ provided hands-on experience with continuous integration and deployment, solidifying my knowledge of modern DevOps methodologies.
- **Orange Pi Orchestrator:** In this project, I utilized Python scripts to automate a wide range of tasks, facilitating seamless communication across interconnected systems, including data exchange between an Orange Pi (SBC) and microcontrollers for smart home automation. The codebase serves as a powerful foundation for orchestrating and optimizing operations, promoting efficiency throughout the project ecosystem. This experience has sharpened my skills in networking, Docker scripting, and automation, allowing me to streamline processes and enhance coordination across multiple services.
- **SonicLink:** Developed a comprehensive system using the TTGO T-Call module to manage calls and messages. The project integrates an ultrasonic sensor to monitor environmental conditions and automatically alerts the user via call or message upon detecting any significant changes.