

# Aisha Khan

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## SUMMARY

Firmware Engineer with over 5 years of experience in embedded systems development and a strong focus on optimizing performance. Proven track record of delivering high-quality software solutions that enhance device functionality and reduce costs.

## EXPERIENCE

### Senior Firmware Engineer

Jan 2022 - Present

*Innovative Tech Solutions, San Francisco, CA*

- Led a team to develop firmware for IoT devices, achieving a 30% reduction in power consumption.
- Implemented advanced debugging techniques, reducing development time by 25% and significantly improving product reliability.
- Collaborated with hardware engineers to optimize system performance, resulting in a 15% increase in processing speed.

### Firmware Engineer

Jun 2018 - Dec 2021

*SmartHome Innovations, San Jose, CA*

- Developed and maintained firmware for smart home devices, directly contributing to a 20% increase in customer satisfaction ratings.
- Reduced firmware update times by 40% through the implementation of over-the-air (OTA) update mechanisms.
- Utilized Agile methodologies to improve project delivery timelines, leading to an average of 3 weeks saved per project.

### Embedded Systems Intern

Jan 2017 - May 2018

*TechFuture Corp, Palo Alto, CA*

- Assisted in the development of microcontroller-based applications, gaining hands-on experience in C and C++ programming.
- Participated in testing and debugging processes, leading to a 15% reduction in reported defects.
- Contributed to the design documentation for firmware specifications, improving team knowledge transfer.

## EDUCATION

### Bachelor of Science in Computer Engineering

May 2018

*University of California, Berkeley, Berkeley, CA • GPA: 3.7*

## SKILLS

**Technical Skills:** Embedded C, C++, RTOS, Device Drivers

**Tools & Frameworks:** JTAG, Git, Keil uVision