**Firmware Engineer**

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Company: Adben Industries Pvt. Ltd.

Location: india

Category: other-general

Company DescriptionAdben Industries Pvt. Ltd., headquartered in Kolkata, is a rapidly expanding team of dedicated Embedded Systems and firmware developers. Our expertise spans a wide range of technologies including Embedded Systems, IoT, BLE, Thread, Zigbee, LoRa, LTE, Cellular, and more. With a global clientele, we excel in delivering customized solutions that address the unique needs of businesses worldwide. From remote sensing to wireless monitoring and control, we're committed to pushing the boundaries of technology and innovation.(Visit our website at www.adben.in for more information.)Role DescriptionJoin our dynamic team at Adben Industries Pvt. Ltd., located in Thakurpukur, Kolkata, for an exciting full-time on-site opportunity as a Firmware Engineer. In this role, you'll be responsible for debugging, developing embedded software, and brainstorming innovative solutions. Proficiency in software development and a solid grasp of ARM architecture are also crucial for this position.Desired Qualifications and Skills:Minimum 2 years of firmware development experienceStrong proficiency in C programmingExceptional debugging skillsExperience with oscilloscopes, logic analyzers, and other debugging toolsFamiliarity with RTOS and device driver developmentKnowledge of communication protocols such as I2C, SPI, UART/USART, Modbus, I2S, etc.Understanding of MCU peripherals and networking protocols (TCP, UDP, HTTP/HTTPS, MQTT, Websocket)Experience with Wi-Fi, BLE, and Cellular Modems Experience with ESP32 and ESP-IDFAbility to understand schematicsYour Responsibilities Will Include:Developing, reviewing, and improving firmware in C/C++Learning and designing firmware architectureDevice driver developmentDeveloping test procedures and diagnostics for firmware and hardware level

testingAnalyzing and debugging, and bug fixingOptimizing firmware for performance and power consumptionWorking with Wi-Fi, BLE, and RF SoCsCoordinating and communicating with team membersCollaborating with clients to understand their requirementsWorking closely with the hardware team to develop firmware accordinglyWhy Join Adben?At Adben, we offer more than just a job — we provide a platform for growth, a supportive team environment, and exciting challenges to thrive. Our dynamic and youthful office culture encourages experimentation and exploration, giving you the freedom to innovate and make a real impact.Ready to Grow Your Career with Us?If you're driven by a desire to learn and have the patience to grow, we want to hear from you! Apply now and embark on a rewarding journey with Adben.

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