



# GRAMPOWER

Gram Power (India) Pvt. Ltd.

Ph: +91-141-2358178

Email: [info@grampower.com](mailto:info@grampower.com)

Website: [www.grampower.com](http://www.grampower.com)

<b>Job Title</b>	Embedded Software Engineer
<b>Department</b>	Software Development
<b>Location</b>	Jaipur/Delhi
<b>About Gram Power</b>	<p>Gram Power is an energy technology company founded out of Berkeley, California. We have developed disruptive smart grid technology to radically changing the way electricity is supplied to and consumed by users. Our technology enables rural and urban consumers to get access to reliable and clean energy, control and optimize their electricity expenses using their phones, pay for power just like they purchase recharge coupons for cell phones and interact with their power distribution companies like never before. The technology also helps eliminate theft, pilferage or non-payment of power bills. Our work has resulted in us designing the lowest cost smart meter in the world, the most advanced power distribution management technology and a smart microgrid solution for energy access in remote areas. The company's technology was also selected by NASA among the top 10 cleantech innovations around the world.</p> <p>We have so far brought smart grids to 30 remote areas in rural India through our Smart Microgrid solution. We are now bringing our technology to the national grid by managing power distribution with our technology for India's biggest private power distribution company. Also, Gram Power is launching in Africa to bring energy to 1 million families. With strong funders from Europe and Silicon Valley, we are now bringing the benefits of our intelligent energy technology to rural and urban regions worldwide</p>
<b>About The Position</b>	<p>This position will primarily be responsible for developing robust firmware for various embedded products developed at Gram Power. Besides this, the engineer would be an integral part of embedded design exercise to architect the structure of the embedded software stack.</p>

**Correspondence Office:** 120 Vishnu Marg, Officer's Campus Extension, Near Sanskar School, Jaipur - 302012

**Registered Office:** E-418, Road No.14, VKIA, Jaipur - 302013



<b>Job Responsibilities</b>	<p><b>Design and Development:</b></p> <ol style="list-style-type: none"><li>1. Design and develop firmware for Gram Power's embedded products</li><li>2. Ensure that the embedded software stacks are designed and implemented to be reusable across various projects at Gram Power</li><li>3. Collaborate with the Embedded Hardware Engineering team to develop highly optimized software</li><li>4. Ensure that all firmware is heavily version controlled and documented</li></ol> <p><b>Testing and Documentation:</b></p> <ol style="list-style-type: none"><li>1. Implement unit tests and integration tests for all firmware developed</li><li>2. Document all firmware which meets Gram Power's documentation standard</li></ol>
<b>Qualification and Experience</b>	<ul style="list-style-type: none"><li>• Bachelor's / Master's Degree in Electrical Engineering / Electronics / System Engineering / Computer Science</li><li>• More than <b>three years</b> of <u>relevant</u> industry experience</li></ul>
<b>Competency</b>	<p><b>Necessary Skills</b></p> <ul style="list-style-type: none"><li>• Familiarity with various architectures of Microcontrollers (especially MSP430 and AVR)</li><li>• Expertise in C, C++</li><li>• Familiar with at least one high level language, specially for scripting (preferably Python)</li><li>• Strong experience of working in the Linux/Unix environment</li><li>• Digital Electronics fundamentals</li><li>• Knowledge of Software version controlling (git) and Software Development process is a strong plus.</li><li>• Writing driver level software.</li><li>• Comfort in using debugging tools such as GDB &amp; JTAG</li><li>• Familiarity with various communication protocols (SPI, I2C, UART, CAN etc)</li><li>• General familiarity with data structures and algorithms.</li><li>• Mathematical modeling of software programs (using Finite State Machines)</li><li>• Good analytical skills</li><li>• Team Spirit: Ability to work as a team player and coordinate with other departments</li></ul>
<b>What You Will Get</b>	<ul style="list-style-type: none"><li>• Competitive package</li><li>• Excellent workspace – talented people, open innovation, X-Box, caffeine, flexible and compulsory vacations!</li><li>• Opportunity to build a critical and large scale system from ground up</li></ul>
<b>Culture at Gram Power</b>	<p>We support:</p> <ul style="list-style-type: none"><li>• Ideas</li></ul>



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	<ul style="list-style-type: none"><li>• Innovation</li><li>• Autonomy</li></ul> We Expect: <ul style="list-style-type: none"><li>• Hunger for Learning</li><li>• Unrest for Scale</li><li>• Problem solver</li></ul>
<b>Interactions with Inter Functional Departments</b>	R&D, Operations, Business Development
<b>Reports to</b>	Project Lead
<b>Contact</b>	Please forward your resume and cover letter to <a href="mailto:jobs@grampower.com">jobs@grampower.com</a>

\*\*\* Employee's Roles and responsibilities at the Company can be modified/ changed at the discretion of the management from time to time.

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