Job Description:

IoT Software Development Engineer

POWEROPTIMAL
THE FUTURE OF ENERGY

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1. Job Purpose

As part of our growth strategy, we have outsourced the development of our next-generation renewable energy IoT technology solution to a specialized technology partner. To ensure a seamless transition and optimal integration of the technology into our operations, we are seeking a skilled and motivated individual to join our team as IoT Software Development Engineer.

2. A day in the life of the IoT Software Development Engineer might look something like this:

- Technology Transfer Management:
    - Act as the primary point of contact for the technology transfer from the external development partner;
    - Collaborate with cross-functional teams to ensure successful integration of the outsourced technology into our operations.
- Backend Platform Ownership:
    - Take ownership of the development and maintenance of the backend platform for our IoT technology solution;
    - Design and implement a scalable and secure database architecture;
    - Develop and maintain APIs for external parties to access the database.
- Product Development Management:
    - Work closely with the development team to manage the overall progress of the IoT technology solution;
    - Take ownership of the full product development lifecycle;
    - Ensure alignment with project timelines, milestones, and quality standards;
    - Participate actively in the development process, contributing to coding, testing, and debugging as needed;
    - Develop and maintain a clear product roadmap, incorporating feedback and adapting to changing requirements;
    - Act as a bridge between technical and non-technical teams, facilitating communication and understanding between various stakeholders;
    - Conduct market research and competitor analysis to stay informed about industry trends and technology advancements;
    - Make data-driven decisions, utilizing metrics and user feedback to iterate on the product, improve user experience and identify new opportunities;
    - Manage and prioritize the product backlog, ensuring a balance between new features, technical debt, and maintenance tasks.
- This role will be based in Stellenbosch.

3. Does this sound like you?

- Technical Skills:
    - 7 to 10 years of experience as a software engineer;
    - Strong background in backend development and cloud architecture;
    - Proven experience in the development and ownership of IoT or smart device products and associated platforms;

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- o Cloud experience, with preference given to candidates with AWS experience;
  - o Proficiency in CI/CD practices, including automation of cloud infrastructure using tools such as Cloudformation, Terraform, etc.;
  - o Demonstrated leadership in programming language choices, with a focus on making informed decisions for the project;
  - o Commitment to implementing and maintaining robust testing processes;
  - o Familiarity with IoT protocols, connectivity, and hardware considerations;
  - o Excellent project management and organizational skills, with a track record of delivering projects on time and within scope;
  - o Experience working in an agile development environment.
- Qualifications:
  - o Bachelor's degree in Electrical / Electronic / Computer Engineering, or related field (or strong proven capability and experience in one of these fields);
  - o Additional certifications in product management or agile methodologies are a plus.
- Personal qualities:
  - o Driven and a self-starter;
  - o Strong problem-solving skills and ability to work in a fast-paced environment;
  - o Excellent collaboration and communication skills, both written and verbal, to convey complex technical concepts to various stakeholders.

4. Who is PowerOptimal?

PowerOptimal is an African leader in renewable energy technology solutions with an ambition to transform the way hot water is generated and used. We are a small but fast-growing, high-performance team with high standards and big ambitions. We strive for excellence in everything we do. Our aim is to be transformative and collaborative in our work.

We focus on speed, scale, smart resourcefulness and unbounded optimism. We never start with 'no.' We're solution-oriented and focus on the outcome and the impact of any project or priority. We're a curious bunch, creative and a little quirky. We debate things passionately in team meetings and stand-ups. We agree and disagree on how the world should work, but we all agree on making a big difference through our work at PowerOptimal. Which is why we love it here and never take it for granted.

If you are interested, please send your resume and cover letter detailing your relevant experience and why you are a good fit for this role to admin@poweroptimal.com with email subject "IoT Software Development Engineer application".

CLOSING DATE 31 JANUARY 2024