



1 in 4 people do not have access to electricity



We are an equal employment opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, national origin, disability status, protected veteran status or any other characteristic protected by law.

JOB DESCRIPTION: FULL STACK ENGINEER

Job Location: Preference for Nairobi but also open to other locations

Reporting to: Head of Software Engineering

Company Description:

d.light is a global social enterprise aiming to improve the lives of the two billion people in the developing world that live without access to reliable energy. We provide distributed, affordable solar energy solutions for households and small businesses that are transforming the way people all over the world use and pay for energy.

d.light innovations have led and shaped the market since 2007 when it introduced what was then the world's most reliable, affordable solar light. With an expanding product range currently distributed in 15,000 retail outlets in over 60 countries to over 85 million customers, we are manifesting our vision for the future of energy.

d.light believes the most successful energy supply solutions in the developing world will be distributed and renewable. Demand for reliable, affordable power is vast and growing exponentially with rising consumer incomes. Rapid technology improvement is enabling higher performance, lower cost solutions than ever before.

A key development in these emerging energy markets is the rise of the pay-as-you-go (PAYG) business model. This suite of technology solutions enables remote control of products, allowing customers to pay for expensive assets over time while simultaneously protecting the investments of the companies and investors in the space. If given the opportunity, customers in these developing markets have proven willing and able to pay small amounts over time to purchase large energy assets well beyond prices previously considered feasible. d.light considers PAYG technology an important enabler of energy access across the world and continues to invest in strengthening this business offering within d.light.

By successfully filling this position, you will be joining the software team responsible for Atlas, d.light's proprietary PAYG software suite. We are a dynamic, multinational team dedicated to providing the best service and technology to customers all over the world. We think big, tackle new challenges and build quality products every day.



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Position Description:

As a Full Stack Engineer you will be responsible for a software ecosystem that is providing hundreds of thousands of homes with the ability to pay for solar power and light for the first time. You will be comfortable bridging backend, frontend and quality requirements and communicating with technical and non-technical resources of all types.

R&Rs:

- Design and build advanced applications for the PayGo business
- Collaborate with cross-functional teams to define, design, and ship new features
- Work with outside data sources and APIs
- Unit-test code for robustness, including edge cases, usability, and general reliability
- Work on bug fixing and improving application performance
- Continuously discover, evaluate, and implement new technologies to maximize development efficiency

The Person:

As a Senior Full Stack Engineer you enjoy building functional and robust systems. You have strong opinions based on experience on which frameworks to work on and you know which mistakes to avoid.

Good architecture is something you live by and you have the right mind to decide when to use additional tools and frameworks and when to write from scratch.

You understand the 12Factor methodology and are prepared to build for scale. You have extensive experience working with cross functional teams ranging from business to engineering, and can quickly translate business requests into functional technical requirements and build for the same. You have worked in a fintech environment, handling money in a system context, large scale messaging, and integrations with third parties such as banks, MNOs, and VAS providers.

Desired Skills and Experience:

- Extensive work experience in a fintech setting handling mobile money integrations, SMS, USSD and other Telco-grade integrations
- Minimum of 5-8 years Java/Python/Scala/Object Oriented and JS web development experience
- Expert level object-oriented programming with a firm grasp of design patterns
- A passion for staying on top of industry trends and technologies



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- Expert level knowledge of HTML, CSS, JSON, Angular and Javascript
- Deep knowledge of Javascript practices and commonly used modules based on extensive work experience
- Extensive experience with relational databases (PostGres, Mysql)
- Experience optimizing and refactoring application code
- Strong problem solving and troubleshooting skills with experience exercising mature judgment
- Creating self-contained, reusable, and testable modules and components
- Writing extensive unit tests using automated TDD tasks
- A desire to be personally responsible for production-level code
- Deep knowledge of version control and paradigms around it such as gitflow
- Writing non-blocking code, and resorting to advanced techniques such as multithreading, when needed
- Experience with DevOps environment and tools including CI/CD, test automation, release management
- Experience with cloud environment apps (AWS, Google, etc)
- Large scale web development experience for performance, stability, reliability, and scale
- Experience with product management tools and software, prior experience with Atlassian is an advantage
- An ability to describe technical details to both engineering and non-engineering audiences
- Business driven, people focused, with exceptional influencing skills; excellent organizational, multi-tasking, presentation and time-management skills
- Passion for social enterprise, development of people and environmental benefits

How to Apply:

Qualified candidates should send a Cover Letter and their CV to hr.africa@dlight.com before 15th December 2018.

