BACK-END WEB DEVELOPER

Posting ID: EM18513442
Company: Breadware
Position Type: Full-Time
College Major(s): Computer Science (CS)

Company Website: https://breadware.com/
Work Location: Reno, NV
Salary: DOE
College Level(s): Graduate Student, Alumni

OVERVIEW

Internet Of Things (IoT) is beyond the hype cycle now, but companies are still failing to develop IoT products on schedule and budget because IoT product development is known to be complex (several parties and resources), expensive (typical 6 to 7-figure budgets), and lengthy (9-month development cycle, minimum). This problem is going to compound further as more and more applications of IoT are being discovered rapidly. Breadware’s IoT Product Lifecycle Management (PLM) Platform has been crafted especially for enterprise customers launching IoT initiatives as a one-stop shop for all IoT product development needs including product development as well as program management. The novel Breadware IP built into our PLM platform significantly reduces typical IoT product development timelines, providing an efficient and intuitive path through new product introduction.

Roles and Responsibilities
We are looking for a full-time Back-End Web Developer responsible for managing the interchange of data between the server and our users for our PLM Platform. Your primary focus will be the development of all server-side logic, definition, and maintenance of the central database, and ensuring high performance and responsiveness to requests from the front-end. Additionally, you will be integrating third-party services via their APIs and building out our own internal services and external cloud services. You will also be responsible for integrating the front-end elements built by your coworkers into the application. A basic understanding of front-end technologies is therefore necessary as well.

Education and Qualifications
- Proficient understanding of code versioning tools, such as Git (we use GitHub)
- Familiar with iterative development principles such as Agile and associated technologies related to Continuous Integration and Continuous Development (CI/CD)
- Deep understanding of the Python programming language
- Strong experience with Python web frameworks Django and Flask
- Strong experience with SQL and SQL databases including Postgres
- Integration of multiple data sources and databases into one system
- Building internal and integrating third-party APIs
Management of hosting environment, including database administration and scaling an application to support load changes
- Data migration, transformation, and scripting
- Setup and administration of backups
- Strong sense of application architecture
- Creating and optimizing database schemas for relational data
- Understanding of “session management” in a distributed server environment
- Understanding accessibility and security compliance
- User authentication and authorization between multiple systems, servers, and environments
- Utilization of SMTP and other email services
- Familiar with Test Driven Development (TDD), including automated testing platforms and unit tests
- Familiarity with Functional Programming as well as a strong understanding of Object Oriented Principles
- Basic understanding of front-end technologies and platforms, such as JavaScript, HTML5, and CSS3
- Experience with large applications in a production environment
- Self-motivated and self-directed when working individually and can collaborate effortlessly when working on a team
- 5+ years in Back End Development

Preferred Skills
- Interest in emergent technologies such as GraphQL
- Experience with JavaScript back-end frameworks such as Node and Express
- Experience with front-end frameworks including React and Redux
- Experience with hosting and deployment services such as AWS and Docker
- Basic familiarity with microcontrollers, sensor hardware, and basic electronic hardware

How to Apply
Go to: