

# Job Title: Full-stack Developer

**Location:** Chennai, Tamil Nadu

**Job Summary:** We're looking for a skilled Full-Stack Developer to build and manage the software that powers our IoT ecosystem. You'll take charge of developing our customer-facing dashboard, where users interact with and visualize data from our IoT devices. You will also be responsible for building out new platform features, like automated billing, enhancing our company website, and creating internal tools that make our team more efficient. This role is perfect for a developer who thrives on building complete, end-to-end solutions within a modern microservices architecture and wants to see their work have a direct impact on users.

## Key Responsibilities:

- **Dashboard Development:** Design, build, and maintain a responsive, high-performance, customer-facing dashboard using **React.js** to visualize real-time IoT data.
- **Backend Services:** Develop and maintain robust, scalable backend microservices and RESTful APIs using **Node.js** to support our web applications.
- **Feature Implementation:** Implement new platform features, such as an **automated email billing system** to send utility bills and user notifications.
- **Data Integration:** Work closely with our embedded systems engineers to process, store, and manage IoT data ingested into our cloud platform.
- **Cloud Deployment:** Deploy and manage applications on **AWS**, ensuring the reliability, security, and scalability of our web infrastructure.
- **Code Quality:** Write clean, maintainable, and well-tested code. Participate actively in code reviews to maintain high standards across the team.

## Required Qualifications & Skills:

- Bachelor's degree in Computer Science, Engineering, or a related field.
- 1-2 years of professional experience as a full-stack developer.
- Strong proficiency in **JavaScript/TypeScript**, **HTML5**, and **CSS3**.
- Extensive hands-on experience building user interfaces with **React.js**.
- Solid experience building and deploying backend applications using **Node.js**.
- Proficiency in designing, testing RESTful APIs using tools like **Postman**.
- Experience with NoSQL databases, specifically **Amazon DynamoDB**.
- Excellent command of **Git** and version control best practices.

### **Preferred Qualifications (Bonus):**

- Hands-on experience with **AWS services**, particularly **Lambda, S3, EC2, and DynamoDB**.
- Knowledge of core IoT messaging protocols like **MQTT**.
- Experience with real-time browser communication using **WebSockets** for live data dashboards.
- Familiarity with **SQL databases** (e.g., PostgreSQL) and relational data modeling.
- Familiarity with email services like **AWS SES** (Simple Email Service).
- Knowledge of containerization technologies like **Docker**.
- Familiarity with **CI/CD** pipelines for automated testing and deployment.