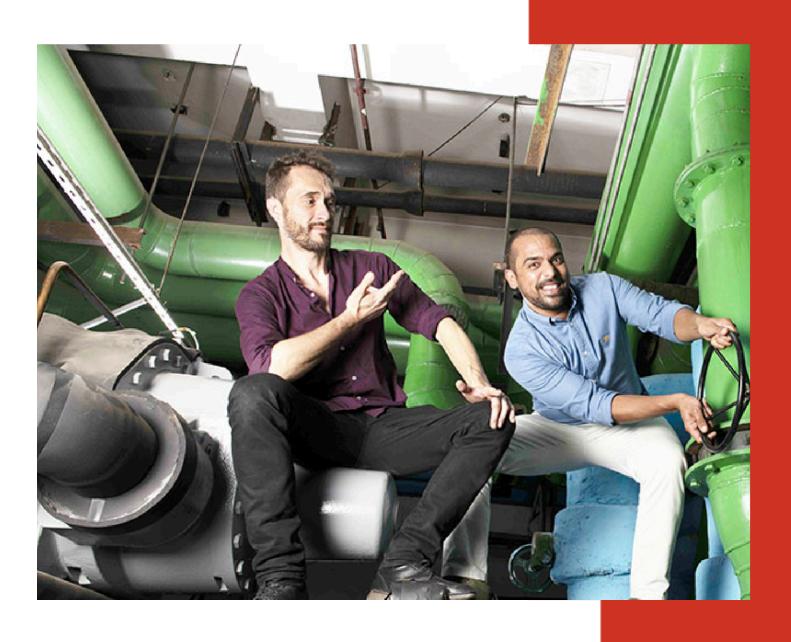**EFFICIENCY FIRST**

smartjoules

On a Mission to create

A great place to work and to be from.

BACKEND DEVELOPER (New Delhi)

At Smart Joules, we are in the pursuit of creating a world powered by energy efficiency. We are poised to lead the industry from the front, challenging archaic norms, questioning paradigms and redefining the rules of the game. As the nation's pioneering and most reputable cooling-as-service (CaaS) startup, our vision is to mitigate 29 million tons of CO2 emissions before 2030, thus catalyzing India's sustainability agenda to reduce carbon emissions and achieve Net Zero by 2070.

With cutting edge technology, relentless innovation and a never say die attitude, we at Smart Joules have traveled a long distance and now it is time for us to shift gears. Would you like to be a part of the exciting journey ahead?"

- Our impact so far includes:

  - **24 Crore KWH** energy saved across all its clients till date, equivalent to the annual consumption of more than **26.58 Lakh** avg. Indian households

  - **1,67,000+ metric tons** of annual CO2-eq. emissions reduction from existing projects

  - Saved more than **INR 193 Crore** of energy

    Achieved through innovative business models like

  - **JoulePAYS:** Pay-as-you-save model offering guaranteed energy savings with 0 CapEx and 0 risk for existing buildings and factories

  - **JouleCOOL:** Cooling-as-a-service (build-own-operate-maintain-analyse-optimize) model offering sustainable, convenient, quality and economical cooling for new buildings

  - **DeJoule:** IoT platform technology with hardware and software to continuously identify and automatically eliminate operational energy wastage

- For more details, see:

  - This **5-minute pitch** about the business

  - **This interview** with Govind explaining our business

  - **This podcast** with Forbes discussing our business and growth plans

  - Our **website** and **LinkedIn page** have additional information

About the role:

We are looking for an experienced Backend Developer with a passion for building server-side web applications in NodeJS and managing time-series data with InfluxDB. The ideal candidate will be responsible for developing and optimizing backend components, integrating with third-party services, and collaborating with front-end developers to create seamless applications in order to abate carbon emissions and climate change. As part of this role you will work on projects that require you to

- Integrate energy saving, ML automation for the largest energy guzzling equipment in 45 hospitals across India, saving Crores of energy waste and abating greenhouse gas emissions.

- Build a multi-modal alerting engine that supports Email, SMS and WhatsApp alerts and resolution actions to address equipment failure, sensor calibration drift, and other energy savings opportunities.

Key responsibilities include:

- Building, managing, and optimizing services in **NodeJS** that ingest **15 million IoT data packets** per day (and growing fast!)

- Developing and maintaining APIs, ensuring scalability, reliability, and security.

- Architecting and building solutions on **AWS**, focusing on services like **EC2, S3, Lambda, and Kubernetes.**

- Implementing and managing **InfluxDB for time-series data**, ensuring high performance and availability.

- Collaborating with cross-functional teams, including front-end developers, senior architects, and product managers to design and implement new features.

- Troubleshooting and resolving issues, performing root cause analysis to prevent recurrence.

The Ideal candidate will have

- Minimum **3 years of experience in NodeJS and JavaScript development** with a deep understanding of asynchronous programming.

- Experience with cloud services, particularly AWS (EC2, S3, Lambda), and container orchestration with Kubernetes.

- Strong problem-solving skills and ability to think algorithmically.

- Knowledge of modern front-end frameworks and how they interact with backend services.

- Ability to write clean, maintainable code and conduct code reviews.

- Familiarity with agile development methodologies and tools such as JIRA

- Strong communication skills and ability to work collaboratively in a team environment

- Experience in solution architecture and system & API design & Development

Bonus points for

- Experience working in the HVAC or Energy industry

- Experience working on developing a Building Management System (BMS)

- Experience working and scaling startups in the 1-100 journey

- Passion for building solutions in the Climate Action space