Jon Bassett

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I've worked in the clean energy sector for the past 11+ years, as a full-stack developer, energy technology consultant, project manager, and electrical engineer. I've focused on grid-integration, energy management and energy flexibility for solar, energy storage, and EV charging.

I am now looking for a software development role in energy management, flexibility, and/or decentralised energy systems.

Experience

Pulse Energy (link)

Senior Full Stack Developer, Nov 2023 to present

Pulse Energy is a leading EV startup in India, providing charging software solutions for fleets and vehicle OEMs.

I built out the Open Charge Point Interface (OCPI) stack, managed OCPI integrations with other Charge Point Operators and e-Mobility Service Providers, and built our first load-management features. I reviewed code, managed deployments, and managed infrastructure for OCPI.

Jackfruit Energy (link), freelance consulting

Director, Apr 2021 to Oct 2023

I started Jackfruit Energy to explore product ideas for the energy sector. We built a map of the UK's electricity grid to help developers locate suitable sites for EV charging and renewable energy projects.

UK Power Networks Services (link)

Senior Consultant, Jun 2018 to Mar 2021

I consulted with global EV fleets. This included energy system modelling, developing concept designs, and project managing electrical infrastructure projects. I also led the setup of UKPN Services' EV charging infrastructure business, including developing and testing service offerings, managing pathfinder projects, sales, and building our supply chains.

SELCO Foundation (link)

Technical Team Head, Jan 2013 to Mar 2016

I worked with a small team of engineers to test and pilot new energy access solutions, including micro-grids and solar-powered productive use. SELCO Foundation works across India to develop sustainable energy solutions for inclusive development.

Education

The University of Cambridge

M.Eng B.A., Electrical and Electronic Engineering (Distinction) Sep 2008 to Jun 2012

Project: As part of a student solar-car racing team, I designed and tested an electrical system for a solar concentrator to be used in solar powered performance vehicles. This included power conversion, maximum power point trackers, embedded system design and solar cell characterisation.

Electives: To provide a firm foundation for a career in the energy sector, I focused on renewable energy, solar power, sensors and instrumentation, sustainable development, VLSI Design and CAD, project management and strategic management.

National University of Singapore: Year-long student exchange during 3rd year of degree.

Bournemouth School

A levels & GCSEs, Sep 2002 to Jun 2008

Skills

Full stack development

Typescript, Python, HTML, CSS, SQL
Node.js, Django, React, Vue, Alpine.js, HTMX
Redis, Kafka, PostgreSQL, AWS, Digital Ocean

Domain expertise

Decentralised energy systems including solar, batteries, and small-wind, energy flexibility, EV infrastructure, EV fleets and vehicle selection, electrical engineering, grid-integration.

Soft skills

Product and solution offering design and management, project management, technical report writing, market analysis and strategy, business development, consulting.