Job Title:	**Junior Software Engineer**
Based at:	Hybrid – Home and Riverbridge House, Leatherhead, Surrey
Position Report to:	Head of Software Development
Role Overview:	This is an opportunity for a highly motivated engineer to join a small, fast-growth team delivering exciting products and solutions at the forefront of the UK's net-zero energy transition. You'll be working directly with our Head of Software Development and CTO providing innovative software development expertise applied in the fields of Solar Generation, EV charging, and Energy Storage systems; the 3 t's of 3ti.

About the Role

3ti is looking for a technically conversant Junior Software Engineer to support our Head of Software Development to progress some key business projects and initiatives .

Responsibilities will include but not be limited to:

- Developing Cloud and Edge based systems for brand new customer projects.
- Working with customers to understand requirements and develop new features for software stacks.
- Writing clean, efficient and well-documented code.
- Participating in code reviews to provide and receive constructive feedback.
- Making new recommendations by keeping up to date with the latest technical products and industry trends, to ensure our company continues to pave the way in Solar Generation, EV charging, and Energy Storage systems.
- Contributing opinions on a range of topics, from development practices to product strategy and roadmap, to impact business decisions.

About You

You are an ambitious self-starter, looking to escape the shackles of corporate life and become an integral part of a small, fast-paced growth company.

You are passionate about playing a key role in a business that will be at the forefront of the UK's green recovery and transition to EVs.

Working closely with the Head of Software Development, you will be comfortable with taking ownership of on-time deliverables and you'll have a strong IQ with the EQ to use it, focussed on successful outcomes.

3ti.co.uk

Registered in England and Wales at: Riverbridge House, Fetcham Grove, Guildford Road, Leatherhead, Surrey, KT22 9AD
Company no: 11868514. VAT Registration no: 443 950 387. 3ti is the trading name of 3ti Energy Hubs Ltd

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You are:

- An ubergeek! You have more gadgets than sense would allow and have a passion for all things tech.
- An innovative thinker with an eye for detail and conversant in multiple disciplines.
- Driven to deliver not just results, but better ways to get to them.
- Able to think on your feet and comfortable working in a small business environment.
- Comfortable managing risk and uncertainty in a rapidly changing business.
- A team player, with outstanding communication skills.
- Prepared to both share your knowledge and learn from others.
- Willing and able to challenge colleagues, contractors and suppliers.
- Able to assist the Sales, Commercial, Development, Procurement and Construction teams.
- Motivated and able to prioritise work, deliver on time and exceed expectations.
- Flexible and resilient with the ability to see and work towards a long-term goal.
- Committed to making the planet a better place for the future.

Essential:

- Degree in Engineering, Computer Science and/or similar technical disciplines.
- Basic literacy in Microsoft Office 365 and SharePoint environment.
- Skilled in multiple programming languages including .NET, Python, m-script.
- Adept at simulation in MATLAB/Simulink or SciLab/XCOS, Ansys or similar.
- Conversant with IOT technologies and remote API interfaces, and data protocols including JSON and XML, SQL, MQTT, or similar.
- Excellent written and spoken English language skills.
- Right to live and work in the UK with clean UK driving licence.

Desirable:

- Knowledge of CAD packages such as SolidWorks or AutoCAD and/or have used UNITY or UNREAL for visualisation and rendering.
- Energy Industry, Electric Vehicles, Energy Storage or similar experience and understanding.
- Familiar with network architectures, firewalls, security, VPNs and other IP stack technologies.
- Exposure to CAN, CANopen, MODBUS, RS422/485, DMX and other legacy communication buses.
- Exposure to Agile, PRINCE2, IS0 9000 series management and business processes.
- Experience using Atlassian tools, JIRA, Confluence.
- Experience using Microsoft Power Automate, Azure, AWS, Docker or similar cloud service platforms.

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Company Benefits

- Generous annual leave – 25 days plus bank holidays.
- Contributory pension scheme via salary exchange.
- Performance based bonus scheme.
- EMI share option awards.
- Private Medical Insurance.
- Life Insurance – 4 x base salary paid to beneficiary.
- Employee Assistance Programme including financial and legal support.
- Access to Private GP 24/7.
- EV Salary-Sacrifice Scheme.
- Business expense allowances.

About Us

3ti - 3 technology infrastructure - are the UK's leading designer, installer, funder and operator of Solar Car Parks (SCPs). We are passionate about renewable energy and believe that sustainable EV charging from the sun, where you stop is the best way for the UK to transition towards green mobility.

We provide secure, consistent, clean and sustainable energy for businesses and communities. We do this by integrating local mains electricity with Solar power, Battery Energy Storage Systems (BESS) and EV charge points. 3ti has already covered 2,500 parking spaces with over 5MW of installed capacity across the UK. In the past 3 years, our team who have over 100yrs combined experience, have built the UK's largest solar car parks at Bentley Motors in Crewe and JP Morgan Chase in Bournemouth.

In May 2022, 3ti also developed and launched the award winning Papilio3, a pop-up mini solar car park and EV charging hub, that offers a perfect plug, play & expand solution until client's EV charging requirements and infrastructure are finalised.

Equal Opportunities

3ti is an equal opportunities employer. All persons will receive consideration for employment without regard to gender (including gender identity, gender expression and gender reassignment), race (including colour, nationality, ethnic or national origin), religion or belief, marital or civil partnership status, disability, age, sexual orientation, pregnancy or maternity, trade union membership or membership in any other legally protected category.

We want to build an inclusive, diverse team and welcome applications from all qualified persons.

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