

Function: **Cloud Software Engineer – Distributed Energy**
 Reference Number: PT-SJ-PT 19-0107
 Location: Nunawading, VIC 3131
 Regular / Temporary: Regular
 Start Date: 01/09/2019 Employment: Full Time

<p>Why work for PowerTec?</p>	<p><i>Do you want to be part of the solution for the electricity distribution network transformation?</i></p> <p>PowerTec works closely with utilities and industry to realise distributed, networked intelligent control systems and turn-key battery energy storage systems for electricity networks with distributed energy resources (DER). Our technology is a key enabler for Microgrids, Embedded Networks, Electric Vehicle Charging Stations and renewable generators by supporting them to operate on constrained electricity networks and to dynamically access electricity markets.</p> <p>We are a technology innovator: Our PowerCache® (inverter/battery energy storage system and grid stabiliser) and PaDECS® (Parallel Distributed Energy Resources Control System based on IoT technologies) offer effective solutions to the stability challenges of the evolving electricity network, both in front of and behind the meter, and to leveraging DER for energy market services.</p> <p><i>Do you prefer providing comprehensive solutions rather than working in a silo?</i></p> <p>Our team carries out system development and turn-key project delivery services from feasibility studies through to software development, product design, 3rd party systems integration and commissioning.</p> <p>PowerTec has delivered some of the most relevant Australian Microgrid and Energy Storage reference projects and has won the 2017 Clean Energy Industry Innovation Award for developing the Mini Grid Stabiliser at Mooroolbark, VIC.</p> <p><i>Are you more passionate about delivering solutions to customers than about delivering presentations to superiors?</i></p> <p>We are a young, small, fast-growing, multi-disciplinary team working with our customers to lead exciting developments in the evolving field of distributed energy, battery energy storage, and Internet of Things (IoT).</p> <p>We apply a flexible and collaborative approach to working with and learning from our customers, suppliers and each other, and we offer some of the best personal growth and learning opportunities in the market.</p>
<p>The opportunity:</p>	<p>An exciting new opportunity exists for a Cloud Software Engineer – Distributed Energy to join our team.</p>
<p>The candidate will have:</p>	<ul style="list-style-type: none"> • A university degree in Computer Science, Information Technology, Electrical Engineering or a related subject; a combination with commerce degree would be a plus • Relevant professional design experience in the following areas: <ul style="list-style-type: none"> ○ Web Services ○ User Interface / User Experience (UI/UX) ○ Cloud-based architectures and applications, ideally with AWS ○ Control, utility or commercial application software

	<ul style="list-style-type: none"> ○ Application software in scripting languages (Javascript, Python), including the use of runtime environments (e.g. React.JS/Node.JS/Angular.JS) ○ Integration of Artificial Intelligence / Machine Learning methods ○ Use of Databases ● Other desirable experience: <ul style="list-style-type: none"> ○ UNIX/Linux ○ IoT and Real-Time applications ○ Agile Software development and DevOps (e.g. Github/JIRA) ● A delivery-oriented approach with an ability to problem solve design issues independently ● Outstanding verbal and written communication skills ● An Australian residency, or suitable valid visa to work in Australia for at least 2 years ● The ability to work to challenging deadlines in a team environment ● A courteous and professional nature
<p>By the end of this financial year, you will have:</p>	<ul style="list-style-type: none"> ● Developed a firm understanding of PowerTec’s Distributed Energy Resources (DER) Control solutions through peer-to-peer coaching and learning on the job ● Successfully and timely carried out or managed the delivery of all aspects related to the platform selection, architecture design, interface design, application coding per specification, integration testing, functional verification testing and documentation of: <ul style="list-style-type: none"> ○ A Cloud application for aggregated monitoring and control of DER based on PowerTec’s existing microgrid control and aggregation SW and HW ○ An Energy Market Services application overlaid to the PowerTec microgrid Control System ● Created a well-documented, version-controlled repository for joint ongoing development and customer documentation of the delivered software and interfaces ● Created web-services and Cloud-software design standards for PowerTec’s PaDECS® product ● Established a direct cooperation channel with an energy company’s users (trading desk) of the market services ● Developed a standardised scope of supply with key SaaS/PaaS and system software suppliers ● Travelled to several customer and power asset sites, including at remote sites, for assessment of the functionality of the designed systems

To apply for this opportunity, please send your cover letter, CV, references, education certificates and transcripts to careers@power-tec.com.au, quoting reference PT-SJ-PT 19-0107.