

Patrick Schindler

Senior Test Engineer at ChargePoint

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Accomplished engineer with over 15 years post bachelor experience leading small and large programs with a passion for delivering high quality products on time

EXPERIENCE

ChargePoint

November 2017 - Present

Senior Test Engineer

Reliability, Safety, Quality, Value - I ensure these things. Strongest company I have ever worked for... and I have worked a few now.

Schindler Engineering

January 2017 - Present

Electronics Engineering Consultant

Contract work in the field of Electronics Engineering.

Calfee Design

May 2016 - Present

Electronics Engineer

Power Systems, Testing, Motors, Controllers, Batteries * Implemented a commissioning station to calibrate Sin/Cos magnetic encoders for the Sevcon Gen 4 * Brought up a dyno station for simulating field loads. * Disassembled and performed quality inspection/modifications on 50hp PMAC Motors. * Requalified modified motors to perform beyond original performance envelope. * Set up a small production line and trained operators.

The Whole Cart (on contract for google)

June 2016 - March 2017 (10 months)

Value Engineer

Automation, Productionizing, Working onsite with CM's, Recruiting, Managing, Small Run Production * Built an Android app to control a linear actuator system and handed off to customers* Recruited a crew and tooled up a small production line starting from an empty warehouse * Maintained an expense account, managed sub-contractors * Vetted new contract manufacturers, performed significant hands on rework * Made tough decisions around features, safety, reliability, and cost * Worked in a near vacuum when required

ELECTRIC MOVEMENT (on contract for google)

March 2015 - March 2016 (1 year 1 month)

Senior Engineer

Started an EE department from scratch * Rapid prototyping in the field of robotics and transportation. * CANopen, production intent cabling, custom PCB's, potted assemblies * uController interfacing, pneumatic systems, hydraulic systems, safety systems * lithium batteries, BLDC motors, controller programming, custom fabrication * Lab management and leadership. Grew from 4 to over 20.

Tesla Motors (on contract for Tesla)

October 2014 - February 2015 (5 months)

Test Engineer

Deployed a Production BMS Tester. * LabVIEW, Test Stand, Switch Matrices, CAN, Pneumatics, High Voltage * Networking, Logistics, Redlight/Greenlight, Rack-n-Stack, COTS * Did my part for the Model S.

Zero Motorcycles

November 2013 - May 2014 (7 months)

Quality Engineer

Deployed a grid-tied charge/discharge production battery tester * CAN, Ingress, Thermal, Self-cal, and Remote Logging for early detection and rejection of field failures. * Identified high risk failure modes and drove corrective action. * Worked over holidays to double production on the line.

Methods Technology (my first startup...)

January 2011 - January 2013 (2 years 1 month)

The Engineer

Boot-Strapped my own start-up company. * Imported containers and air shipments from China, handled all the logistics * Supplier vetting, harmonized tax codes, incoming testing and inspection, and modifications * Outgoing test, shipping, customer support... * Engineered 4 versions of a battery management system used on race bikes in the TTXGP* Performed significant R&D on high power ebike batteries, motors, controllers, etc * Brought up a lab, did work on contract, helped moderate a forum * participated in international relations, should have hired more people

Sandia National Laboratories

2001 - 2011 (11 years)

Member Technical Staff

Department of Energy *Worked in the Systems Group on a \$500M aerospace Program, then in R&D on special projects. * Developed a Nuclear Weapon Systems Tester & series of component testers * Worked closely with security and many departments across the complex * Carried a Sigma 14 Q clearance for a decade

EDUCATION

Stanford University

2005 - 2008

Master of Science (MS), Electrical Engineering,