



Branden Kern

614.406.8666 • comptechbranden@gmail.com • brandenkern.com

Objective

I aspire to work in a technical position where analytical skills are used often. I strive to build a creative, productive, and efficient atmosphere for my employer. While building advanced problem solving skills, I hope to grow throughout my time with any company and to eventually move into a senior level position however it best fits the company's needs.

Core Qualifications

Technical Overview

- Familiarity with electronics, wiring, and testing
- Hands-on experience with installation, troubleshooting, and repair
- High understanding of business workflows
- Experience with schematics and P&ID's
- Exceptional device networking ability
- Development and maintenance of applications and large Microsoft Access programs

Programming

SEO, SQL, CSS, HTML, DHTML, XML, VBA, batch files, Notepad++, Visual Studio, Git, Google Analytics, classes/wrappers, Wordpress, Google Apps, algorithms, statistics, data analysis and querying, relational principles, testing/documenting, code first, CRUD, ASP.net MVC (Razor), basic Scrum / Agile understanding, web services, debugging, and automated business intelligence.

Software

Wonderware, AutoCAD (Can program tools into AutoCAD), Microstation, RSView, RSLogix, RSLinx, C-More, Symac Studio, CX Designer, GP Pro, Insight Explorer, FactoryTalk / Historian, Microsoft Access Database Guru, Photoshop, Visual Studio, Google Documents, and Visio. Interested in MES if the opportunity arises.

Electronics / Controls

Understands circuits, loops diagrams, MCC's, PLC's, VFD's, safety, sensors, NPN/PNP calibration, cognex vision systems, meters, torque drivers, transmitters, and relay logic. Omron and Allen Bradley PLC's. Use of NEC referencing. Familiar with drawing sets for power/utility, bulk material, and manufacturing.

Construction / Hands On

Strong understanding of following directions and documenting. Will communicate needs, problems, and improvement ideas. Knowledge of tools and mechanical devices. Can construct items orderly and timely. Pneumatics and P&ID's. Knowledge of mechanical and electrical specifications / symbols.

- Panel Building
- Cable Assembly
- Understanding of Safety (Never have had any work related accidents!)
- Installation of Home Automation products
- Laptop Repair and Computer Builds

Education

DeVry University - 2006

Bachelors in Technical Management
Associate of Applied Science in Electronics and Computer Technology
Concentration: Modern Controls Technology/Controls Systems



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Work Experience

Technical Specialist / Engineer, Midwest Express, Inc. 2/2017 – 6/2017

Accomplishments: System upgrade suggestions. Improving processes with automation on part fixtures and part handling. Small project completion. Working with Yaskawa and Universal Robots. Setting up Cognex vision systems. I/O. Modifying PLC ladder logic. Producing presentations and project documentation. Improving production efficiency. Solving more unique problems with servo errors, PLC logic issues, and production data.

Controls Technician, PK Controls 4/2016 – 2/2017

Accomplishments: Worked on panel fabrication, robot cells, safety device install and wiring, VFD's, PLC inputs and outputs, jig creation and testing, leading other technicians in work, checking/markups, laser generation systems, line conveyor systems, material handling, part welding, power distribution (480VAC, 208VAC, 120VAC, 24VDC), Device NET, and cooling systems. Troubleshooting and safety.

Designer / Programmer, Varo Engineers 10/2008 – 4/2016

Accomplishments: Created our department's project management database in Microsoft Access. Design and drafting of electrical drawings for power plant upgrades. High level of project management skills used. Worked with a team of people to accomplish common goals. Trained others in work details and processes/produced process documentation.

Engineer Associate, Belcan / Rolls Royce Energy Systems 10/2007 – 10/2008

Accomplishments: Checked and released of project related drawings (Use of P&ID's). Provided technical services for part defining. Created, changed, and obsolete/superseded parts based on requirements. HMI Setup and Software implementation for control panels (Wonderware). All around experience in engineering support and process related tasks. Updated databases. Interfaced with vendors and manufacturers for technical data, quotes, and other information. Worked with miscellaneous project planning tasks.

Project Assistant / Technician, CTL Engineering 05/2005 – 7/2006

Accomplishments: Responsible for departments data management/project data flow. Performed actions to acquire proper construction documentation. Installation/programming of communications link between cell towers. Organization and tracking of materials for projects.

Technician, PK Controls 05/2005 – 7/2006

Accomplishments: Fabricated panels and cables. Wired transformers, motor controls, PLC's, and more. Helped with office and IT tasks. Site work of running cable in tray and wiring controls in panels. Use of plant site safety training such as fall protection and lock out / tag out.

Technician, Tech SN 02/2005 – 5/2005

Accomplishments: Worked with design prints and project documentation. Ran and terminated hundreds of Ethernet and phone wires. Performed managerial tasks and made important decisions related to project directions. Installed and tested high end equipment, such as servers and terminals.

Interests

Working on cars, updating my condo, home automation, IT, outdoors, rock climbing, gym, and anything technology.

References

Tom Chandra
Software Client
614-384-3827

Mike Grabowski
Electrical Engineer (PE)
216-215-1614

Cibil Zachariah
Electrical Engineer
740-816-6210