

# Eric Kogan

## Electrical engineer - Fresco Systems USA

Holland, PA - Email me on Indeed: [indeed.com/r/Eric-Kogan/a168d72dc4bd0591](https://www.indeed.com/r/Eric-Kogan/a168d72dc4bd0591)

To apply my experience in automation systems design and engineering.

### WORK EXPERIENCE

#### Electrical engineer

Fresco Systems USA - Telford, PA - August 2013 to Present

Automation systems design and troubleshooting; PLC and SCADA programming; AC / DC drives programming and configuration; machine controls / machine safety design and retrofit.

- Installation, start up and debug of new / modified production equipment.
- Troubleshooting automated production lines, technical support to maintenance personnel; SOP development.
- Power distribution system optimization and analysis, measures to reducing arch flash energy.
- Installation of instrumentation for measurements of power flow, power factor, demand, harmonics distortion.
- Hardware and software utilized: Allen-Bradley ControlLogix5000, SLC500, PLC5, WonderWare SCADA, PanelView HMI; AC/DC drives by AB and Siemens; ETAP Power systems modeling.

#### Electrical engineer

Double H Plastics - Warminster, PA - March 2005 to August 2013

Troubleshooting automated production lines, technical support to maintenance personnel.

- ABB robotics troubleshooting.
- Process automation and control systems design; machine safety systems design.
- PLC and HMI programming; AC / DC drives configuration; servo controls programming.
- Power monitoring; demand control and power factor correction.
- Control systems validation.
- Hardware and software utilized: Allen-Bradley ControlLogix5000, SLC500, RSView32, PanelView HMI; AC drives by Allen-Bradley and ABB; Parker servo control systems.

#### Controls engineer

MEDCO HEALTH - Willingboro, NJ - March 2004 to April 2005

Troubleshooting and start-up of dispensing, consolidation and packaging production lines.

- PLC and HMI programming; AC VFD configuration; servo amplifiers programming.
- Adept robotics troubleshooting.
- Control systems validation.
- SOP development.
- Hardware and software utilized: Allen-Bradley ControlLogix5000, PLC5, SLC500, RSView32, PanelView HMI; AC drives by Allen-Bradley and Telemecanique.

#### Electrical engineer

SPS TECHNOLOGIES - Jenkintown, PA - April 2000 to August 2003

Power monitoring and SCADA configuration; demand control and power factor correction; power distribution systems retrofit.

- Retrofitting of LV circuit breakers with solid-state trip units (SquareD and GE); protective devices set up and coordination.

- Cost saving process automation and optimization; plant capital project management; electrical maintenance support.
- Machine controls design, retrofit and "hands-on" troubleshooting.
- PLC programming, AC/DC drives configuration, servo amplifiers programming, operator interface programming.
- Assurance of compliance with NEC and OSHA standards; electricians training.
- Hardware and software utilized: Allen-Bradley PLC5, SLC500, PanelView HMI; SquareD PowerLogic SCADA; AC drives by Telemecanique, ABB and Toshiba.

### **Electrical engineer**

- November 1999 to April 2000

contract position).

- Machine controls design, retrofit and commissioning.
- PLC programming, PLC based Motion Control systems design.
- AC/DC drives configuration, servo amplifiers programming, HMI programming.
- Wiring diagrams development and documentation.
- Hardware and software utilized: Allen-Bradley SLC500, PanelView HMI; Maple Systems HMI; Omron PLC C200HE; Yaskawa servo amplifiers and AC drives.

### **Electrical engineer**

ACTUAL of AMERICA - Philadelphia, PA - December 1997 to October 1999

Support of production and testing of fully automated production machines.

- PLC programming, PLC based motion control systems design (Omron C200HE); AC / DC drives and servo amplifiers configuration and interface; HMI programming.
- Wiring diagrams development and documentation.
- Hands-on troubleshooting and field service support.
- Electricians' supervision and training.
- Hardware and software utilized: Allen-Bradley SLC500, PanelView HMI; Maple Systems HMI; Omron PLC C200HE; Mitsubishi A2A and FX PLC; Mitsubishi servo amplifiers; Yaskawa servo amplifiers and AC drives.

### **Electronics technician**

ALLIED TUBE and CONDUIT - Philadelphia, PA - January 1992 to December 1997

Power monitoring and SCADA configuration; demand control and power factor correction; power distribution systems retrofit.

### **In-house modification as well as troubleshooting and start**

INDUCTOTHERM Inc - Rancocas, NJ - January 1990 to December 1991

Field service engineer.

- Duties include testing and start up of Solid State induction melting equipment (up to 8 MW) and associated control systems.

### **USSR - Electrical Engineer**

POWER UTILITY CO - Lvov, UA - 1978 to 1989

Power distribution systems modeling, short circuit analysis, protective devices coordination.

- Design and commissioning of substations Monitoring and Control systems.
- Design and commissioning of Differential Protection systems.
- Design and commissioning of transmission lines Distance Protection Systems.
- Design and commissioning of System Stability Automation such as Frequency Stability Protection and Power Swings protection.

## EDUCATION

Penn State University - Abington, PA  
September 1991 to December 1992