

# Jatin Patel

## Electrical Engineer

Hatfield, PA - Email me on Indeed: [indeed.com/r/Jatin-Patel/79ecfe332504d2f9](https://www.indeed.com/r/Jatin-Patel/79ecfe332504d2f9)

Over 6 Years' of professional experience working as an Electrical Engineer in R&D, designing automated systems including strong skills in software and hardware

Willing to relocate: Anywhere

Authorized to work in the US for any employer

### WORK EXPERIENCE

#### Senior Engineer

Communications Test Design Inc - January 2012 to Present

CTDI is a full-service, global engineering, repair and logistics company providing best-cost solutions to the communications industry. CTDI's one-stop service commitment to customers has fueled the growth from a core business of equipment repair.

- Served as a key member of software and hardware development team as the lead engineer on development projects
- Designed new testers and develop software to automate testing for Set-top Boxes (STB) and high speed internet modems to increase productions capacity
- Interacted with various audio video matrix switchers, managed power strip, network switches and develop software to control the devices
- Created drawings, test procedures, and other documentation to support the systems
- Assisted in training junior electrical engineers & operators
- Partnered with Chairman & CEO, President & COO and Directors to ensure project deliverables and project timelines are met
- Successfully restructure company's best practices, policies, and procedures resulting in dramatic improvements and savings of over million dollars

#### Junior Engineer

Communications Test Design Inc - March 2010 to December 2011

- Collaborated with engineering team and delivered projects in timely manner
- Prepared assembly drawings, ancillary controlled documentations, and tester layouts
- Interacted with different clients and took their opinions in re-designing products
- Re-designed the testers to increase the productions and reduction the costs
- Developed software to test the STB and Cable Models automatically in c#, vb.net and c++
- Created database in SQL to capture the data for more than 100,000 units per day
- Traveled internationally to set-up initial system, troubleshoot and train operators on automated testers

#### Electrical Engineer (Energy Sector)

Commonwealth of Pennsylvania - Harrisburg, PA - September 2008 to March 2010

- Designed and plan layout transmission line plan for electricity. Analyze the usages for electricity
- Developed procedure for energy saving strategy for state facilities and assist team with energy contract
- Worked with electric and natural gas utilities to link all the Commonwealth of PA accounts on web
- Received best employee of the month award

## **Internship**

ArcelorMittal - Steelton, PA - June 2007 to August 2007

- Programmed PLCs by configuring process timing, setting tasks, testing and performing quality check
- Collaborated with electrical and mechanical engineering teams in designing automatic sprinkler systems
- Used AutoCAD software to illustrate the machine parts
- Assisted co-workers with installation of motors and gave directions for wiring layouts

## **EDUCATION**

### **Bachelor of Science in Electrical Engineering**

Pennsylvania State University - Middletown, PA

December 2008

## **SKILLS**

- Expertise in creating test plan, build testing bench, writing tests, functional coverage closure, write assertions and perform formal verification proofs (6 years),
- Strong working knowledge of engineering fundamentals and analytical method (5 years),
- Excellent team player with ability to think analytically troubleshoot issue (6 years),
- Proficient in Research & Development in new/enhance product design (5 years),
- Excellent communication, organizational and time management skills (10+ years),
- Superior skill in testing hardware and debugging software (5 years),
- Proficient with AutoCAD, and solid-modeling CAD software (3 years),
- Broad knowledge in C#, vb.net, PLC programming and SQL database (5 years),
- Extensive experience in designing automated testers and implementing deployment process (5 years),
- Self-motivated, strong sense of ownership/accountability, and results oriented with the ability to manage time and schedule effectively (6 years)

## **AWARDS**

### **Best Employee of the Year**

2010

Awarded for best employee of the year for completing the project very short time, that impacted company's productions, cost saving solutions and less head counts.

## **ADDITIONAL INFORMATION**

### **COMPUTER SKILLS:**

Microsoft Office, C#, vb.net, SQL database, PCL programming, AutoCAD, Linux, Multiple Windows OS