

**ROMIN PURI**  
Sunnyvale, CA  
408-803-0582  
rpuri6@comcast.net

## SUMMARY

A **technical professional** with extensive experience in development of **automation solutions and enterprise level applications** in start-up companies and large corporations. Core competency is in managing multi-functional, culturally diverse, and geographically spread large engineering teams (US, Europe, India, and China), as well as managing product releases spanning multiple organizations in a variety of challenging environments.

## AREAS OF EXPERTISE

- Automation Design and Development
- Global Product Releases
- People management & Leadership
- Budget and Project Cost Controls
- C++, C#, Python, CUDA
- Vendor Management
- Architect Enterprise (wide software solutions)
- Customized Solutions
- Machine Learning for Bio-Tech
- Image Recognition Algorithms
- MySQL, SQL Server, Hadoop, Influx DB
- Communication Management

## PROFESSIONAL EXPERIENCE

### **SPYNSITE LLC, OAKLAND, CA**

**2009 – present**

*Co-Founder*

- Developed system architecture for bio-medical device that uses broadband lasers to detect very low cell populations (one part per billion)
- Implemented pixel processing and spectra recognition algorithms
- Established a roadmap for product development
- Co-authored a machine learning algorithm—Machine Learning for Spectral Object Classification (patent pending)

### **OUSTER, INC; SAN FRANCISCO**

**2018 – 2019**

- Established roadmap for Manufacturing Infrastructure
- Implemented MySQL based solutions
- Deployed Fusion Lifecycle PLM system

### **VIEW, INC; MILPITAS, CA**

**2015 – 2018**

*Sr. Engineering Manager*

- Established the Software QA department for the organization
- Established a team of Mechanical, Electrical and System engineers for sustaining engineering
- Responsible for the reduction of commissioning times by over 30% using SCRUM for development and testing
- Managed off-shore teams for platform and mobile apps development
- Managed releases of full stack – firmware to cloud
- Instrumental in a five-fold growth of the on-site team of Engineers in 3 months

### **JABIL CIRCUITS, SAN JOSE, CA**

**2012 – 2014**

### *Design Engineering Manager*

- Designed and commissioned automated testing solutions for Google Glass, GoPro and ear-buds (confidential company)
- Architected automation solutions in conjunction with customers
- Selected and interfaced with vendors to implement optimal automation solutions
- Liaison with manufacturing to deploy automation and troubleshoot day to day issues
- Implemented a Hadoop based solution for analytics of manufacturing data

### **SUPERIOR TECHNOLOGIES; MILPITAS, CA**

**2011 – 2012**

#### *Consultant at KLA-TENCOR*

- Designed and developed Data Path for a Direct Write using Electron beams (REBL program). This project involved multi-threading existing applications and port to Linux/GPUs.
- Architected software solutions to process multi-terabyte of Image data using CUDA / GPUs
- Reduced processing times by orders of magnitude

### **NOVA SOLAR TECHNOLOGIES, MILPITAS, CA**

**2011**

#### *Director, Automation and Electrical Engineering*

- Established the dept. of software and electrical engineers to develop automation and MES system for a thin film solar panel production
- Designed high power electrical systems for deposition tools
- Judicious use of on and off- shore contractors enabled the development of all automation software and electrical schematics to be completed at a very low cost and within a very tight schedule

### **SKYLER TECHNOLOGY INC; CONCORD, CA**

**2004 – 2009**

#### *Program manager / System Architect*

- Developed a high throughput, low latency in-memory database for financial firms on Wall Street and London. The product served high frequency automated trading systems.
- Architected and developed an enterprise solution using a horizontally scaled and multi-threaded design for deployment with JP Morgan Chase and IG Index (LSE)
- Established and managed multi-site development and QA utilizing offshore facilities

### **OTHER EXPERIENCES**

- Engineering Manager for Applied Materials (Etec Systems)
- Director, Applications Development for Savi Technology
- Software Manager, TRW Financial Systems
- Automation Engineering, Honeywell (Measurex Corp)

### **EDUCATION**

- Graduate studies, University of Southern California, Los Angeles, California
- **M.S. in Engineering**, with major in Controls, California Polytechnic University, Pomona, California
- **B.E. (Honors) in Engineering**, BITS, Pilani, India