


Krutin R Karia

Data Analyst

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Current Status

- 6+ years of experience in Software Design and Development
- Proficient in BigData Analytics using MapReduce, R, Hadoop technologies
- Wireframe Visualizations for data reports to make sense of data
- Active member of Perl Mongers Group in Bangalore
- Co-Founder Tinychip Embedded Solutions LLP

Technical Skills

Languages:	Perl, Python, PHP, Ruby, C, C++, Shell Scripting, Java, AutoIT, VHDL, Assembly, jQuery, HTML5
Operating Systems:	Unix/Linux, Solaris, Win*
Technologies:	(NoSQL) Hadoop, MongoDB; MapReduce, RDBMS, SoLR, WAFL, ONTAP, SAN, NAS, TCP/IP, HTTP, Apache Tomcat, nginx,
Software tools:	MySQL, PostgreSQL, Oracle, Eclipse, gcc, gdb, Ant, gprof
Office:	MS Office, DocBook, LaTeX
Interests:	Data Analytics, Human Computer Interaction, Systems programming, Robotics & Embedded Systems

Experience

Tinychip Embedded Solutions LLP

➤ Co-Founder & COO

Bangalore, KA, IN

Apr 2013 – Present

- **Operations and Management**
 - Manage cashflow and revenue projections for the company
 - Work with team members on new opportunities
 - Develop and update quarterly Business plan
 - Manage Backend Finance and Company Tax
- **R & D**
 - Product R & D on wireless sensor networks and Internet of Things
 - Develop Training material for C,C++, RTOS, Linux Programming and Device Drivers

Verikwest Inc. (Cisma Consultants Pvt Ltd)

➤ **Staff Software Engineer**

Bangalore, KA, IN

Jun 2012 – Apr 2013

- **Consultant/Contractor at Qualcomm Bangalore**
 - nextgen Regression Framework, tool flow applications.
 - Develop IDE UX using Qt for existing Regression tool, to start/pause/stop/replay/watch/edit/debug regressions
 - Develop Watchdog framework for Regression tool

Synopsys Inc.

➤ **Software Engineer**

Mountain View, CA, US

Sep 2007 – Jan 2009

Bangalore, KA, IN

Jan 2009 – May 2012

- **Intelligent Infrastructure Management Solution (IIMS)**
 - Portal for IT Management for IT Infrastructure planning.
 - Analyze Infrastructure Utilization Data metrics. Dashboard for Infrastructure planning
 - Utilization metrics Data for ≈ 15000 Compute nodes, 14 Clusters, 10 Petabytes of Storage Infrastructure
 - Hadoop, MapReduce for log analysis of metrics and computation
 - Data sampled at interval of 5 minutes
- **Synopsys Cloud Connection**
 - Synopsys offered solutions for EDA tools on cloud for customers that require on demand cores to run regressions and builds, typically during deadlines
 - Hybrid cloud setup with Amazon ECS and Eucalyptus
 - Web portal for customers to request new and manage their compute cores
- **Engineering Performance Metrics Interface**
 - Synopsys Internal customer (BU) specific requirements to collect and display IT Key Performance Metrics (KPI) on real-time basis, and compare with Software Development Metrics on a single time window
 - Project Lead with a team of 8. Design and Architect Backend and UX, Business Intelligence, Operational Intelligence, Data Analysis
 - Analyze metrics to help detect bottlenecks and improve Turnaround time (TAT)
- **Disk to Disk Archive tool**
 - Tool used globally at Synopsys to archive Network file system data to External drive
 - Used unix based “tar” at heart with Perl, CGI for cataloging and UX
- **Storage and Backups Monitoring**
 - Tech Lead for development of various backups monitoring tools
 - Includes Daily backup monitoring, weekly maintenance of snapshots, source to destination data ratio charts, portal for summary of volumes not backed up and send alerts
 - Business Continuity Planning and Disaster recovery (SnapMirror) monitoring automation

➤ Intern Technical

Mountain View, CA, US

May 2005 – Nov 2005

Mountain View, CA, US

May 2006 – Jul 2006

Mountain View, CA, US (Part time)

Aug 2006 – Dec 2006

- **Retirement Automation**

- Develop process and software tool for Retirement of Servers @ Synopsys
- Web based request generation and auto ticket update mechanism

- **SOX Audit process and Automation**

- Develop process and software for SOX compliance of companies Compute and Storage Assets.
- Compare SAP database with Datacenter CAD Database for comparison of Asset and Serial number information.
- Communicate with various IT team for updating database with missing or erroneous data.

- **Database Request Automation**

- Web based software tool for database request automation, automatically raises a ticket.
- Command line interface used by Database Administrator with appropriate configuration to fulfill request, also updates ticket
- Provides CREATE-READ-UPDATE-DELETE (CRUD) API and CGI tools for end user
- Supports mysql, postgres, Oracle

- **Change Control Request Board.**

- Web based application for Change Control Management

✚ CSU Chico

➤ Lab Administrator (Part time)

Chico, CA, US

Aug 2004 – Apr 2005

Chico, CA, US

Feb 2005 – Apr 2005

- **Manage Lab of MAC systems, Install and configure required open source tools**
- **Automation using Action/Shell scripting**

Tata Telecom (now Avaya India)

▪ Customer support engineer

Mumbai, MAH, IN

Jan 2002 – Mar 2003

- **Install and Maintain AVAYA range of switch for telecom, network and conferencing solutions**

Education

- MS Embedded Systems, Manipal University (Corporate program), Bangalore Jan 2010 – Aug 2014
- BS Computer Engineering, CSU Chico Jan 2004 – Dec 2007
- Diploma in Computer technology, BGIT, MSBTE, Mumbai Aug 1999 – May 2001

Academic Projects

- Voice password for smart phones: Implement Voice biometric password to unlock Smartphone.
- Modular IC tester: Digital IC tester, IC library stored on memory card which can be updated.
- Participated in interdepartmental Micromouse competition in college (team of 3)
- Autonomous Mine detector (team of 3)
- Active member of IEEE at CSU Chico
- Mac Labs Administrator for Physical Education Department at CSU Chico (Part time on campus)
- Software Developer, Associate Students at CSU Chico (Part time on campus)

Spoken Languages

English	Fluent (Written and Verbal)
Gujarati	Mother Tongue
Hindi	Fluent (Written and Verbal)
Marathi	Fluent (Written and Verbal)

Hobbies

Hiking, Photography, Tennis, Cycling

References

Available on request