Resumé

EDUCATION

University of California, San Diego

Master of Science, Computer Science, Sep 2013 - Present

- ▸ Graduate Teaching Assistant: CS140 - Components and Design of Digital Systems
- ▸ Graduate Teaching Assistant: CS30 - Computer Organization and Systems Programming
- ▸ Graduate Teaching Assistant: CS123 - Computer Networks

National Institute of Technology, Karnataka, India

Bachelor of Technology, Computer Engineering, 2005 - 2009

- ▸ Undergraduate Thesis: Modelling Giotto programs in UPPAAL

WORK EXPERIENCE

Google Inc. (Mountain View, CA)

Software Engineer Intern, Chrome OS Kernel, Jun 2014 - Present

- ▸ Working on kernel-based power optimizations on Chromebooks

Google Inc. (Mountain View, CA)

Software Engineer in Test, Adwords Frontend, Oct 2011 - Aug 2013

- ▸ Migrated frontend integration test infrastructure to use the new F1-based backend from the existing MySQL system.
- ▸ Enhanced tests metrics to allow for easier profiling and diagnosis of test results.

Google India Pvt Ltd. (Hyderabad, India)

Software Engineer in Test, Gmail backend, Mar 2011 - Sep 2011

- ▸ Built a dashboard to track project progress using bug data and forecast project iteration completion dates.

Oracle India Pvt Ltd. (Bangalore, India)

Software Engineer, Beehive Conferencing, Jul 2009 - Mar 2011

- ▸ Co-developed a web application to schedule and join web conferences http://meet.oracle.com

Software Engineer, Beehive Bug Metrics

- ▸ Designed and developed a web application to generate highly customizable, interactive graphs based on historical bug data to identify trends.

Linux Technology Center IBM India Software Labs (Bangalore, India)

Summer Intern, May 2008 - July 2008

- ▸ Developed a fault-injection package to simulate errors in the Linux kernel's memory subsystem.

SKILLS

Languages: C++, Java, Python, Javascript, Go.

Technologies: Linux/Unix, Web Programming, Computer Networking

HOBBY PROJECTS

BuddyFS

- ▶ Decentralized filesystem, written in Golang, built on top of Chord-based distributed key-value store.
- ▶ Github projects - GoBuddyFS BuddyStore
- ▶ Won the Flipboard prize at LA Hacks for proof-of-concept project in Python.

Inscription

- ▶ Scaled custom programming contest judge software to run across a cluster of machines
- ▶ Provided fault resilience and significantly improved performance of batch recompilation
- ▶ Deployed in Inscription 2009, an international online programming contest including participation of over 400 teams

Linux kernel patch to work around faulty RAM blocks on x86_64

EXTRACURRICULAR ACTIVITIES

National Institute of Technology, Karnataka

- ▶ 5th place in ACM ICPC Asia Regionals, December 2007
- ▶ Involved in the setting up and administration of IBM Open Power Lab at NITK
- ▶ Convener, Computer Events, Engineer 2009 - NITK's annual technical symposium
- ▶ Technical Coordinator, Computer Society of India, NITK student branch