Jiten M Thakkar

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TECHNICAL SKILLS

Programming languages	**Proficient**: C, C++, Java
	Intermediate Level: JavaScript, Sql, Go, Embedded C
	Primary level: Python, LaTeX, Haskell
Technologies	**Frameworks:** Spark, Nvidia CUDA, Spring MVC, Spring Data, AngularJS, Maven, Android Django, J2EE web-technologies, J2ME, Informix
	Version Control: Mercurial, Git

EDUCATION

Master of Science, Computer Science   Aug'15 - Present
School of Computing, University of Utah

Bachelor of Technology, Information and Communication Technology   Jul'09 - May'13
Dhirubhai Ambani institute of Information and Communication Technology, India

WORK EXPERIENCE

Software Developer   May'14 - July'15
ZapStitch, Bangalore, India

- Joined startup at early stage and contributed towards development of a micro service approach based modular platform which led to recent funding of $2.5M

Software Developer   Jun'13 - Apr'14
Neptune Information Technologies GmbH, Pune, India

- Worked on banking solution for Home Savings bank using Java Spring MVC framework with Agile development techniques and TDD

Student Developer   May'12 - Aug'12
Google Summer of Code for Mozilla Firefox

- Worked on a Networking tool called 'Networking Dashboard' for Mozilla Firefox as open source contributor, which displays statistical data about different network protocols of the browser that can be helpful for debugging performance and connectivity issues while web development
- The interface exposing this data is written in C++ and the Add-On demonstrating the use of this interface written in JavaScript

RESEARCH EXPERIENCE

Intern   Jan'13 - Apr'13
IBM Research, Bangalore, India

- Worked with Smarter Energy Group on Wattalyst (http://www.wattalyst.org/WattalystWebsite/index.html/) which aims to understand in what context and how would consumers reduce demand of energy
- Developed and used an efficient API which provides energy consumption data to created an easy to use interactive interface that encourages users to follow the suggestions related to usage of appliances

Developer   May'11 - Sept'11
MILLEE, Carnegie Mellon University

- Worked as J2ME programmer with Prof. Matthew Kam of Carnegie Mellon University and created games aimed at educational benefit of school children in rural India

PROJECTS

IDS Pattern Matching in CUDA

Working on IDS pattern matching in NVIDIA CUDA framework for snap (https://github.com/wbsun/snap) which a parallel packet processing engine derived from click. The goal is to achieve performance improvement for packet processing using GPU processing power.

File System Analysis

Working on software analysis of MINIX File system for finding possible bugs using software analysis tool SMACK (http://soarlab.org/research/projects/) which is a bounded software verifier.

SUBJECTS

Distributed Systems, Big Data Computer Systems