Tarun Naresh Gidwani

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Objective:

Seeking to acquire a technical position with your company's technology department. Will add value to your organization through my previous internship experience, expertise in Java, .NET, and Ruby, and as a dependable team member.

Education:

Illinois Institute of Technology, Chicago, IL   Major: Computer Science   Minor: Linux System Administrator
Expected Graduation Date: December 2016   Major GPA: 3.56

Projects:

- Griddle : A React Grid Component, Open-Source Project, *(Node.js, React.js, Atom)*
  - Implemented filtering and sorting functionality for special data types for the grid component

- Addition to xv6, Systems Programming Project, *(C, qemu {emulator}, gdb, Emacs)*
  - Added a system call to the xv6 kernel

- Inventory Management System, Team Project, *(Java, Git, JUnit, Eclipse)*
  - Created the backend functionality for managing the inventory of a car dealership

Skills:

- ***Programming Languages:*** *Object Oriented:* C#, Java, Ruby, C++, JavaScript (Server side: Node.js), Python; *Low-Level:* C, LC-3; *Web:* HTML, CSS, Javascript; *Data-Driven:* SQL, T-SQL; *Scripting:* Bash, Ruby, Python; *Functional:* Clojure, Erlang, Mathematica, Haskell

- ***Developer Tools:*** *Editors:* Vi, Vim, Emacs, Notepad++, Atom; *IDEs:* Visual Studio, Intellj, Netbeans, Eclipse, RubyMine, PyCharms; *Frameworks:* .NET, MVC, Spring, Restlet, Sinatra, Apache Hadoop, React.js, Backbone.js; *Operating Systems:* Linux, Unix-based, OS X, Windows; *Databases: SQL:* Microsoft SQL Server, MySQL, Oracle Database; *NoSQL:* MongoDB, Cassandra; *Testing:* Baseline and Regression Unit Testing, Integration Testing, Automated Curl Testing; *Version Control:* Git (GitHub, BitBucket, GitLab), Microsoft Team Foundation Server (TFS); *Virtualization:* Oracle VirtualBox, VMWare Workstation and Player *Tools:* Chrome developer tools, Firebug, RESTClient, SSHClients, FTPClients, Apache HTTP Server, AWS: MapReduce, Weka, ORMs, gdb, pdb, Vagrant

- ***Fluent in Multiple Languages:*** *English:* Native, *Hindi:* Native, *Sindhi:* Proficient, *Marathi:* Intermediate, *Urdu:* Intermediate, *Punjabi:* Intermediate

Experience:

E-commerce, Web & Mobile-Web, W.W. Grainger, Chicago, IL   06/2015-08/2015
Software Engineer Intern

- Analyzed the architecture and implementation of an existing feature in our E-commerce platform
- Created an evaluation report of various technologies in our technology stack that can be leveraged in order to improve the implementation and performance of this existing feature
- Developed an API to retrieve, validate, format, and store product data from various external sources
- Designed and implemented a utility that benchmarks the quality and accuracy of product data

Supply Chain and Refining, Marathon Petroleum Company LP, Findlay, OH   01/2015-05/2015
Software Engineer Intern

- Developed a data collection API to collect data from external sources, validate incoming data, and feed the data into a Hadoop cluster
- Designed and implemented a utility that utilizes the data collection API in order to automate the process of collecting and storing data
- Created an application for tracking and reporting various software license usages, and integrated a feature to revoke or retrieve licenses from users as part of the application
- Designed and developed a system utility to detect and handle pop-up errors on Windows Server and to send email notifications if the error was preventing jobs or processes from running on the Server

Research and Development, Calamos Investments, Naperville, IL   12/2014-01/2015
Software Engineer Intern

- Fixed bugs, added requested features, and improved functionality and performance of existing Database Catalog Application
- Designed and implemented MVC5 Web Application capable of generating, searching, filtering, and comparing reports that contain important system information pertaining to servers and databases throughout the enterprise

Research and Development, Calamos Investments, Naperville, IL   05/2014-08/2014
Software Engineer Intern

- Maintained and upgraded a ClickOnce Windows Form Application using C# and .NET Framework
- Improved the Table Comparison Application by designing and implementing a normalized schema design for the backend and by making the stored procedures more data-driven
- Parallelized the table compare process in turn improving runtime substantially
- Designed and implemented a utility which improved the formatting of JSON datasets

Computer Science Department, Illinois Institute of Technology   01/2014-Present
Teaching Assistant (TA)

- TA for Data Structures and Algorithms course (Languages utilized: Clojure & Python) and Systems Programming course (Language Utilized: C)
- Lead the lab sessions by running demos and helping students with programming assignments
- Assist students in solidifying their comprehension of the material covered
- Familiarize and teach students all the applications and tools required to succeed

Illinois Institute of Technology Dean's Research Program   05/2013-08/2013
Undergraduate Research Assistant

- Created an application using Java to simulate attacks in order to test the security of Voice Over IP
- Designed and programmed a Graphical User Interface to act as the front end of the application
- Utilized Junit for baseline and regression unit testing of the application
- Created build and install scripts to support various platforms across different Operating systems

Activities/Involvement:

- Exec board member of IEEE, supervising and overseeing all active projects
- Member of ACM (Association of Computing Machinery) chapter at IIT
- Bog planning committee, managed committee's budget, organized and hosted recreational events and activities for students and organizations
- Member and active participant of IIT's MAD (Mobile Application Development) club
- Volunteer in the Emergency department at a community hospital