Abhishek Chandratre

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Summary

Self-motivated programming enthusiast, with solid computer science fundamentals. Passionate about learning and enabling individuals by sharing knowledge. Excited to work on System Programming, Parallel Computing, HPC projects.

Work Experience

Senior Software Engineer - A10 Networks, San Jose, CA   Jan 2018 - *Present*
- ➢ Designed and implemented Configuration Validation and Deployment strategies from cloud product to devices.
- ➢ Developed a turnkey solution to store logs in SQLite database, and to access them via HTTP request.
- ➢ Proactively collaborated with UI team to auto-generate GUI, and provided Web API to access logs.
- ➢ Refactored C files, makefiles, python scripts adhering to the best industry practices.
- ➢ **Bagged "Rising Star 2018" award** for technical and non-technical contributions.

Summer Intern - A10 Networks, San Jose, CA   May 2017 - Aug 2017
- ➢ Automated documentation generation pipeline, that saves 30%-40% man hours of documentation team.
- ➢ Enhanced user and developer REST API experience by providing accessible documentation using Swagger UI.
- ➢ Implemented a python project to convert JSON schema to OpenAPI schema.
- ➢ **Won 1st prize** amongst 17 interns at "Intern Engineering Awards 2017" for most valuable contribution.

Member of Technical Staff - Mojo Networks, India   Nov 2015 - Jul 2016
- ➢ Contributed notably to Blackice project, which increased number of concurrent Access Point upgrade by 100x.
- ➢ Implemented Messaging using RabbitMQ and Python, that empowered multiple AWS servers to act collectively.

Skills

Languages: C, C++, Python, Java, Golang, LISP, Haskell
Libraries: OpenMP, OpenMPI, MR-MPI, Cuda, Rabbit-MQ, Supervisord
Web Development: Python-django, Flask, JSP, Servlets, Golang
Everyday Tools: Emacs, Vim, Tmux, Docker, Kubernetes
Debugging Tools: GDB, PDB, Valgrind, nm, Objdump, ReadELF
Version Control: GIT, Subversion, Mercurial

Education

University of North Carolina   *Charlotte, NC*
Master of Computer Science - *GPA 3.90/4.00*   Aug 2016 - Dec 2017
- ➢ Master's Thesis on "High Performance Parallel Shortest Path".
- ➢ Teaching Assistant for ITCS 6112 (Software Design) and 5145 (Parallel Computing).

Pune Institute of Computer Technology   *Pune, India*
Bachelor of Engineering in Information Technology - *GPA 3.41/4.00*   Jun 2011 - Jul 2015

Projects

Emacs Plugins
- ➢ Developed eyebrowse-projectile plugin to achieve screen/tmux like development workflows.
- ➢ Sent upstream patches to various open-source emacs packages like org-mode, eyebrowse, awesome-emacs.

Markdown-Helper.vim
- ➢ Being avid Vim user, created vim plugin to assist write markdown documents.

Adhoc Sports
- ➢ Aimed to connect people using sports as a medium. Web app developed using Python Django Framework.
- ➢ Made use of Django Rest Framework to implement REST API. Practiced Agile development methodology.