

VEDANG JOSHI

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Summary

Seeking a challenging role in the software industry to solve problems in computer storage systems, distributed systems and IoT.

Key Skills

Languages	Platforms and tools
Java, C, C++, Nodejs	Linux, git, cscope, Monit
Databases	Protocols
MySQL, MongoDB, Cassandra	MQTT, Websockets

Academic Background

Master of Science, Computer Science	2017
University of California — Santa Cruz, California, USA	
Bachelor of Science, Information Technology	2016
Pune Institute of Computer Technology — Pune, Maharashtra, India	
GPA - 3.62	

Accomplishments

Technology Development

Designed and developed a prototype for connected cars IoT prototype investigating various languages, platforms and hardware tools to assess the relative ease of development and performance

Work Experience

Graduate Teaching Assistant - Introduction to programming (Java)	Sep 2016 to Dec 2016
UC Santa Cruz — Santa Cruz, CA	
Conducted lab sessions, helped the students with difficulties in implementation of programming assignments, graded programming assignments and tests, conducted online discussions on Piazza and maintained attendance for the entire course.	
Software Intern	Jul 2016 to Sep 2016
Mindstix Software Labs — Pune, Maharashtra	
Worked towards successfully building an IoT-based, highly resilient and robust connected cars' proof of concept. This internship provided an opportunity to interact with the client on a daily basis.	

Projects

Content-Based-Storage mode in Btrfs file system
Provided content based storage mode and lookup facility in the Btrfs file system to allow content's hash based storage to reduce the IO latency.

REST library for Content-Based-Storage mode in Btrfs
This library provides a REST interface to the content-based-storage mode in Btrfs file system.

Benchmarking tool for content-based file systems
This tool assists in testing the performance of file systems working on the principle of content-based-storage that uses content's hashes to store and retrieve data.

Centralized e-History repository for medical practitioners
Created a medical case history repository for medical professionals to store, retrieve and view the case history of patients to provide a better diagnosis and detect health or disease trends.

HTTP logfile analyzer
Designed and implemented a log-file analyzer for comprehensive analysis of HTTP and presentation of the analysis in a visually appealing and cogent form.

Certifications

Oracle Certified Associate - Java SE7 Developer