Akash Pandey

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SUMMARY

Software developer with three years of experience in developing server side scalable storage solutions for telecom operators. Have experience in NoSql databases. Looking for summer internship opportunities.

EXPERIENCE

Senior Engineer-R&D September 2012 - August2015
Mavenir Systems (now Mitel Networks), Bangalore, India
Worked in small teams of 2-3 people, taking ownership of the products. Was involved in following projects:

- *Wrapper client library in C++ for Cassandra NoSql database:* Developed a Thrift RPC based access layer with connection pooling and thread pooling. The library was used by various products interacting with Cassandra.
- *Centralized file storage for telecom users:* Developed the IMAP based front end to store users data in a backend comprising of OpenStack Swift and Cassandra, serving all customers of a telecom operator.
- *Visual Voicemail server:* Dustomized the generic distributed file store to comply with Apples Visual VoiceMail specifications. The product is currently in production.
- *Generic relational content storage for Rich Communication Suite (RCSe):* Developed HTTP/REST based API calls and the backend Oracle stored procedures.

ACHIEVMENTS

Received five separate "SPOT" awards in recognition of outstanding contribution to a project at my first employer-Mavenir Systems.

TECHNICAL SKILLS

Languages: C/C++, shell scripting, Ruby.
Databases: Cassandra, OpenStack Swift, Oracle.
Tools: gdb, Valgrind, Wireshark.
Operating Systems: Linux, Windows.

EDUCATION

Master of Computer Science
NC State University, Raleigh, NC, expected December 2016
Courses: Data intensive computing, Computer networks, Object oriented design and development

Bachelor of Technology
A.K. Garg Engineering College, Ghaziabad, India, completed June 2012
Major: Computer science and engineering

PUBLICATION

"Design of a Parallel Migrating Web Crawler"
Description : The paper proposes a simple mobile agent based design for introducing both parallelism and migration in a web crawler. (`http://www.ijarcsse.com/docs/papers/April2012/Volume_2_issue_4/V2I40059.pdf`)