Ashwin Subrahmanya

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OBJECTIVE & CAREER SUMARRY

Senior Software Engineer experienced in building robust **Backend Software** with strong background in **Computer Science**, especially in **A**lgorithms, **Data-structures, Computer Networks and Client-Server architectures**. Strengths include excellent **problem solving skills** and strong **OOP/D** concepts.

PROFESSIONAL EXPERIENCE

***RIVERBED TECHNOLOGIES** [**Aug 2007-PRESENT**][past OPNET Technologies inc (2012)]*
Member of Technical Staff /Senior Software Engineer [Java, Python, JS]
Over the years, I have worked on quite a few software products with Riverbed, and, I have designed and developed many features so far. The products include
Network Management and Modelling solution:
- Developed SNMP based Poller to poll and collect metrics of routers and switches for monitoring and alerting.
- Shift reduce parsers for parsing configurations of routers and switches (JUNOS, IOS)

Application performance management product
- Developed a distributed service/infrastructure monitoring solution to test service availability synthetically
- I have also worked on developing a web-app with server side experience including RESTful HTTP web-services, and JS client side experience as well- including developing dynamic visualizations, and more generally comfortable with the full stack.

EDUCATION

*STONY BROOK UNIVERSITY [**Aug 2005 - May 2007**]*

Master of Science (Computer Science) [Research Assistant in Algorithms Lab under prof Steven Skiena].
Processed huge volumes of newspaper data and built relationships among' entities' and showcased it via a website.

*R.V. College Of Engineering, Bangalore [**Sep 2000 - Jun 2004**]*
Bachelor of Engineering, Majoring in Computer Science & Engineering

TECHNICAL SKILLS/LANGUAGES

Languages	Java , Python, HTML5/Java Script, Lex, Yacc, Prolog
Tools/Scripting languages/DB	Git, Ant, Maven, RDBMS/SQL, ORMs (Hibernate/SQL Alchemy), JSON, XML, RESTful APIs, J2EE Arch, WSGI, NodeJS , D3

OTHER EXPERIENCE

-Safehands –A Palm Print Verification System.[VC++, Image processing algorithms](Siemens Information Systems ltd)
-Buit an encyrpted file system using the stackable file system API; Also built AST and type-checker for an event driven language E--