

Vipin Pillai

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Education

Masters of Science, Computer Science May 2018 (Expected)
University of Maryland, Baltimore County GPA: NA

Bachelor of Engineering, Computer Science June 2012
University of Pune, India. Grade: First Class with Distinction

Work Experience

Senior Subject Matter Expert at Amdocs Nov '14 – June '16

- Led cross site development efforts for AT&T Halo enterprise project.
 - Designed and implemented key functionalities in collaboration with customers and stakeholders.
 - Resolved major performance bottlenecks in the application.
- Technologies: Java, EJB, REST, Apache Solr, Maven, MySQL

Subject Matter Expert at Amdocs, India July '12 – Oct '14

- Designed and developed backend APIs for Amdocs BSC product using design patterns and Spring framework.
 - Implemented graph traversal algorithms for feature enhancement of products SOM and EPC.
- Technologies: Java, EJB, Spring, Unix, SQL

Project Intern at TRDDC, India July '11 – Apr '12

- Worked under Tata Research Development and Design Center (TRDDC) on the design and development of a new code review specification language using lex, yacc and PRISM framework.
- Technologies: Java, JLex, Jcup, Prism Framework, Eclipse

Academic Projects

Specification Based Programmable Code Reviewer July '11 – April '12

- We designed and developed a new query based specification language, through which the user is able to specify his own custom review checkpoints through a query.
 - A code reviewer is generated dynamically for each of the corresponding queries, which will perform static code analysis on the given source code and find the result for each of the custom review cases.
- Technologies: Java, JLex, Jcup, TRDDC's PRISM framework, Compiler Optimization, Language designing.

Short Advertisement Service Jan '11 – August '11

- We designed and implemented a 'Fair Ad Insertion Algorithm' wherein multiple advertisers could compete for different keywords, and still maintain a fair distribution of the corresponding Ads.
 - Implemented Double Metaphone Algorithm in C++ and PHP for identification of words with phonetic similarity.
- Technologies: C++, GTK+, UNIX, MySQL, PHP, JavaScript.

Technical Skills

Language:

C++, C, Java, PHP, UNIX, Python, SQL.

Database:

MySQL, Oracle 11g, IBM DB2

Operating System:

Linux, Windows

Tools and Framework:

MATLAB, Eclipse, Netbeans, Apache Hadoop, EJB, Spring, JPA, JMS, Ant, Maven, ActiveVOS, Perforce, GIT, GTK+.

Certifications

Oracle Certified Associate Java 7
IBM DB2 Certified Academic Associate

Relevant Coursework

Design and Analysis of Algorithms
Machine Learning
Artificial Intelligence
Principles of Compiler Design

Scholarships/Awards

TRDDC Best Project Award – 2012, IN
Amdocs Young ProdiG – 2011, IN.