

# PRANNOY SINGH

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## EDUCATION

<b>Syracuse University, NY</b>	<b>1/2017 – Present</b>
Master of Science, Computer Engineering	<b>GPA: 3.41/4</b>
<b>Baddi University, Himachal Pradesh, India</b>	<b>07/2011 – 06/2015</b>
Bachelor of Technology, Computer Science	<b>GPA: 3.74/4</b>

## EXPERIENCE

<b>Software Engineer, Financial Engines</b>	<b>06/2017 – Present</b>
<ul style="list-style-type: none"><li>Increased server query response time by 15% by restructuring API calls in Splunk. Managing all technical aspects of Splunk build and dashboard development. Planning and performing data mining and analysis, utilizing various queries and reporting methods.</li><li>Deployed the application on the AWS EC2 utilizing features like RDS, Elastic Beanstalk, Lambda, Cloud Formation.</li></ul>	
<b>Software Engineer, IGATE</b>	<b>07/2015 – 12/2016</b>
<ul style="list-style-type: none"><li>Developing and deploying the necessary Java components as per project phase with good knowledge in Software Development Life Cycle(SDLC) and agile/scrum methodologies.</li><li>Development and deployment of server-side Web Components i.e. JSP, Servlets, JavaScript's and CSS files.</li></ul>	
<b>Intern, Vertex Infotech</b>	<b>06/2014 – 01/2015</b>
<ul style="list-style-type: none"><li>Development and deployment of modules with advanced level programming concepts in C/C++ like thread synchronization, multithreading, concurrency, functional programming and TCP/IP Socket Programming using various design patterns.</li></ul>	

## TECHNICAL SKILLS & INTEREST

Programming Languages: Java, C++, C# (.NET), Swift, SQL.  
Web Technologies: JSP, HTML, CSS, JavaScript, PHP, Bootstrap.  
Databases: MySQL, MongoDB.  
Other: Amazon Web Services(AWS), Splunk, Application Dynamics, XML.

## PROJECTS

<b>Alexa Polly Skill (S3, SNS, API Gateway, Lambda)</b>
<ul style="list-style-type: none"><li>Created a service to store text files in DynamoDB using S3, SNS, API Gateway, Lambda ,Polly services and convert them to speech.</li><li>Hosted a static website on S3 storage to interact with API Gateway and created REST endpoints for storing and retrieving text.</li></ul>
<b>NoSQL Database (Java, HTML5, JSON, JavaScript, Apache Tomcat, Servlet)</b>
<ul style="list-style-type: none"><li>Developed NoSQL database and implemented its query engine to support all database queries.</li><li>Implemented multi-threading &amp; indexing to improve query operations and provided data persistence.</li><li>Provided it as REST web API service and extended it to website to manage on-server databases and user authorization.</li></ul>
<b>Software Collaboration Federation (C#, WCF, WPF, XML)</b>
<ul style="list-style-type: none"><li>Prepared Operational Concept Document, discussing architectural ideas for project and implemented it in C# .NET framework.</li><li>Provided code check-in/check-out facilities in Repository server which does integration testing using Test Harness for each input.</li><li>All the remote communication between these servers is implemented using WCF and GUI using WPF.</li></ul>
<b>Dependency-Based Remote Code Publisher (C++, HTML5, CSS, JavaScript, Socket, XML)</b>
<ul style="list-style-type: none"><li>Developed client-server application to publish source code files as web pages embedding its dependent file's links on server.</li><li>It generates dependency and strong component analysis asynchronously for each published file on server side.</li><li>Supported P2P HTTP style message communication &amp; file transfer using sockets and client user interface using WPF.</li></ul>
<b>Type Based Dependency Analyzer (C++, XML)</b>
<ul style="list-style-type: none"><li>Built a Type Table by extracting the lexical code of source code. The Type table consists of information about the type definitions, Global functions etc. The information includes the fully qualified names and the files in which they are defined.</li><li>Stored all the Dependency information and Strong component information in a NoSQL Database. The Database can be persisted on an XML and exported to any remote location. The Database can be retrieved back for any further analysis.</li></ul>

## CERTIFICATIONS

- Completed the Data Analytics using Splunk Certification course on Udemy.
- Completed the AWS Associate Certification course on Udemy.
- Completed the IBM certification in cloud computing.