

PRANNOY SINGH

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EDUCATION

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

EXPERIENCE

Software Engineer, Financial Engines	06/2017 – Present
<ul style="list-style-type: none">Managing all technical aspects of Splunk build and dashboard development. Planning and performing data mining and analysis, utilizing various queries and reporting methods. Perform Synthetic Monitoring using the tool Application Dynamics.Deployed the application on the AWS EC2 utilizing features like RDS, Elastic Beanstalk, Lambda, Cloud Formation.Experience with Gitlab and Jenkins for CI(Continuous Integration) and end to end automation for all build and CD (Deployment).	
Software Engineer, IGATE	07/2015 – 12/2016
<ul style="list-style-type: none">Developed the necessary Java components as per project phase with good knowledge in Software Development Life Cycle(SDLC) and agile/scrum methodologies. Deployment of server-side Web Components i.e. JSP, Servlets, JavaScript's and CSS files.Build and maintain SQL scripts, indexes and complex queries for data analysis and extraction.	
Software Developer Intern, Vertex Infotech	06/2014 – 01/2015
<ul style="list-style-type: none">Development and deployment of ship management modules with advanced level programming concepts in C/C++ like thread synchronization, multithreading, concurrency and TCP/IP Socket Programming using various design patterns.	

TECHNICAL SKILLS & INTEREST

Programming Languages: Java, C++, C# (.NET), Swift, Python, SQL, Jenkins.

Web Technologies: JSP, HTML, CSS, JavaScript, PHP, Bootstrap.

Software Tools: Visual Studio 2017, Eclipse, IntelliJ, Microsoft SQL Server 2014, Jupyter, Git, putty, JIRA, Git

Databases: MySQL, MongoDB, Oracle.

Other: Amazon Web Services (AWS), Splunk, Application Dynamics, Docker, Hadoop, XML.

PROJECTS

Alexa Polly Skill (S3, SNS, API Gateway, Lambda)

- Created a service to store text files in DynamoDB using S3, SNS, API Gateway, Lambda ,Polly services and convert them to speech.
- Hosted a static website on S3 storage to interact with API Gateway and created REST endpoints for storing and retrieving text.

NoSQL Database (Java, HTML5, JSON, JavaScript, Apache Tomcat, Servlet)

- Developed NoSQL database and implemented its query engine to support all database queries.
- Implemented multi-threading & indexing to improve query operations and provided data persistence.
- Provided it as REST web API service and extended it to website to manage on-server databases and user authorization.

Software Collaboration Federation (C#, WCF, WPF, XML)

- Prepared Operational Concept Document, discussing architectural ideas for project and implemented it in C# .NET framework.
- Provided code check-in/check-out facilities in Repository server which does integration testing using Test Harness for each input.
- All the remote communication between these servers is implemented using WCF and GUI using WPF.

Dependency-Based Remote Code Publisher (C++, HTML5, CSS, JavaScript, Socket, XML)

- Developed client-server application to publish source code files as web pages embedding its dependent file's links on server.
- It generates dependency and strong component analysis asynchronously for each published file on server side.
- Supported P2P HTTP style message communication & file transfer using sockets and client user interface using WPF.

Type Based Dependency Analyzer (C++, XML)

- 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.
- 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.

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.