

Narmadha Viswanathan

(716) 986-0763 | narmadhaviswanathan@gmail.com | [LinkedIn](#) | [GitHub](#)

SUMMARY

I am a Masters Graduate from University at Buffalo, SUNY with two years of software development experience. I am highly interested in Full time Software Development opportunities starting immediately.

COURSE WORK

Information retrieval, Data Intensive Computing, Machine Learning, Analysis of Algorithms, Data Integration, Software Engineering, Object Oriented Programming, Database and Operating Systems.

EDUCATION

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| Masters in Computer Science, University at Buffalo, The State University of New York | Feb 2017 |
| Bachelors in Information Technology, Anna University | May 2015 |

WORK EXPERIENCE

John Deere, Software Developer, (C#, Java, AWS) Jan 2018 – Present

- Plugins: (C#)
 - Built plugins that read different data formats and map them to common object model.
 - Populated the object model from a set of files to aid easier consumption of multiple data formats.
- API: (Java, Spring Boot)
 - Developed a RESTful system in Spring Boot to maintain subscribers in a DynamoDB.
 - Test Coverage: Unit testing in Junit. Load testing in Gatling framework (Scala).
- Setup Extractor (C#, AWS)
 - Created a microservice to get the list of subscribers using the subscription API.
 - Inspected the data with the help of inspection service with Kinesis ARN.
- Data Streaming (Java, Spring MVC, Spring Boot)
 - Consumed data from Kinesis stream to model them for downstream apps.
 - Built archiver services which persists and archives the data.

Yash Technologies, Inc, Programmer Analyst Trainee, (Java, NodeJs) July 2017- Dec 2017

- Developed web server application which uses AWS services to store files and send notifications.
- Created Lambda functions to send notifications to subscriber using SNS.

Covisint Corporation, Software Developer Intern, (Javascript) May 2016 - Aug 2016

- Established an OpenID client which delegates user authentication to an Identity Provider (IdP).
- Implemented a single centralized IdP service provided by Google, Fb, Twitter (delivered via OAuth).
- Created an editor that allows the users to edit the policies by hitting the policies API.

TECHNICAL SKILLS

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|-------------------------|----------------------------------|
| Languages: | Core Java, J2EE, C#, C++, R |
| Web Technology: | HTML5, CSS3, Javascript, Node JS |
| Database: | MySQL, Oracle, Postgres |
| Cloud Platforms: | Amazon Web Services |

CERTIFICATION

AWS Certified Developer Associate - License MVQ2NW1K1MV1Q9K2 Oct 2017

RESEARCH

IEEE PAPER: [Sparse Representation to Localize Objects in Underwater Acoustic Images.](#)
IJRS JOURNAL: [Secure Mobile Communication using Audio Steganography by Mel-Frequency Cepstrum Analysis.](#)

SELECTED PROJECTS

1. Data Analysis and Visualization (Java, Hadoop, R, R Shiny, Tableau) - [Git](#)
2. Twitter Data Indexer with Boolean query retrieval system (Java,Python) - [Git](#)
3. Smart Weather App- A Web based mashup (Javascript,AngularJS) - [Git](#)