

AASHRITH CHILKEPALLI

Boston, MA 02120 | 919.649.6534 | chilkepalli.a@husky.neu.edu

<https://www.linkedin.com/in/aashrithchilkepalli/>

www.github.com/aashrithchilkepalli

EDUCATION

Northeastern University, Boston, MA

May 2019

Master of Science in Information Systems

Courses: Application Engineering and Development, Program Structures and Algorithms, Parallel and Multithreading Programming, Network Structures and Cloud Computing, Web Design and User Experience Engineering, Web Tools

Vellore Institute of Technology, Chennai, India

May 2017

Bachelor of Technology in Computer Science and Engineering

Courses: Object Oriented Programming, Operating Systems, Software Engineering, Internet and Web Programming

SKILLS

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| Languages | : NodeJS, Java, AngularJS, C++, Bash |
| Web Technologies | : ReactJS, Redux, HTML5, CSS3, Bootstrap, JSP, jQuery |
| Frameworks | : Spring MVC, Hibernate, RESTful, GraphQL |
| Database | : SQL Server, MongoDB, Oracle, MySQL, PL/SQL |
| Version Control and Tools | : GIT, Docker, Junit, Jasmine, Jenkins, JIRA, Confluence |

WORK EXPERIENCE

Software Engineer Co-Op, Skillsoft, Nashua, New Hampshire, United States

May 2018-Dec 2018

Alexa Skill Development

- Created an Application for Alexa Users to access content of **Percipio** (Intelligent Online Learning Experience Platform) using voice assistant devices like Alexa **Echo** and **Echo Show**
- Provided a suite of Alexa interactions that enables Percipio users to discover and enjoy useful content, such as videos and audiobooks to open up new learning experiences
- Designed a deployment strategy utilizing AWS infrastructure components – AWS lambda provided the backend processing for the Alexa Application, utilizing **NodeJS**. Account Linking in Alexa enabled the backend service to obtain user specific data from the percipio backend using **RESTful** api calls
- Collaborated with cross-functional team members to define a proof of concept that models various interactive behaviors, transformed the prototype to product based on the feedback of various teams working in an **Agile** environment

Percipio Slack Integration

- Worked in the Engineering team to iterate a solution which delivers Percipio content delivery features to the slack community
- Implemented data retrieval from the Percipio backend services using **GraphQL**, Developed the application using **ReactJS** for the frontend and **NodeJS** for the backend

Software Development Intern, Amrithaa Technologies, Chennai, India

May 2016-July 2016

- Contributed to the development of a registration portal using JAVA with the help of **Spring** and RESTful services. Used JDBC to fetch data from Oracle SQL Server. Deployed and maintained the portal on tomcat server
- Reported two P0 bugs in production. Manually tested these bugs once fixed. Automated all test cases using Junit framework to achieve 100% code coverage

ACADEMIC PROJECTS

Network Structures and Cloud Computing [link](#)

Sept 2018

- Designed and built fault tolerant web application hosted on cloud computing platform (**Amazon Web Services**) using IaaS, PaaS and SaaS services such as EC2, EBS, Route53, SES, ELB, CloudWatch, IAM, RDS, NoSQL(DynamoDB) and S3
- Implemented Continuous delivery using GitHub, TravisCI and Amazon CodeDeploy
- Gained understanding of DevOps and Site Reliability Engineering roles

Web Design and User Experience Engineering [link](#)

Jan 2018

- Developed an application which allows users to login using their Google or Facebook credentials and search for tracks present in the Spotify Database and build their own personalized playlist
- Implemented using Angular CLI, Spotify API, Google and Facebook login API, Used Angular for front end and NodeJS for the backend and used MongoDB as the data store

Database Management and Database Design [link](#)

Sept 2017

- Designed the database for a Hotel Management System and performed complex analysis through triggers, procedures and views to build a system using MySQL. Developed an Enhanced entity relationship diagram to analyze relations between the entities