

SUMMARY

- Software Developer with 2+ years of experience in software design, development and integration
- Expert in developing the Algorithms using Python, Java and proficient in optimizing and reviewing codes
- Skilled in predicting and analyzing the real-world data using Machine Learning and NLP
- Having 1+ years of experience in developing the AWS resources and implemented scripts using python
- Highly skilled in creating the AWS lambda functions using Python and Boto3 to create AWS resources
- Worked with SQL databases like MySQL, and Hands on Experience in working with NoSQL Database like DynamoDB, Redis to manage extremely large data sets
- Having good knowledge in creating the Web applications using Django, Python, MySQL, JavaScript and implementing the NLP Algorithms on the User inputs
- Used version controller tools like Tortoise Subversion (SVN), Git and Code Commit
- Quick learner and adapt new technologies, positive attitude towards work and self-motivated

EDUCATION

Master's in COMPUTER SCIENCE

Northern Illinois University, IL

Current GPA: 3.80/ 4.00

Majors: Database and SE

August 2017 - May 2019

CERTIFICATIONS

Amazon Web Services - Associate Developer

TECHNICAL SKILLS

Languages: Python, Java, C++, Django, JavaScript, YAML

Web Technologies: ReactJS, VueJS, HTML, NodeJS, PHP, CSS

Databases: PostgreSQL, DynamoDB, MySQL, Redis

Cloud: Amazon Web Services (SageMaker, CodeBuild, CloudFormation, S3, CodePipeline, DynamoDB, Lambda)

API: RESTful, GraphQL

WORK EXPERIENCE

Datakwip Holdings, LLC (Full Stack Software Developer)

September 2019 – Present

- Designing and Developing the Energy Analytics Software for Commercial Real Estate Firms and others
- Working Closely with Manager for project proposals including project planning and prioritizing the sprint work items and Backlogging the items
- Design the AWS project Architecture and Diagrams and Maintain Documentation associated with workflows, processes and sprints
- Designing and Developing the CI/CD AWS Pipeline, code builds, Lambda functions Versions and API Gateway using Serverless CloudFormation Templates
- Developing the backend code using Python, boto3 in AWS Lambda Functions and providing security using VPC and Security groups
- Creating API Gateway with Cognito User Pools as Authentication and Integrating and Deploying the Lambda Functions to the APIs in different Stages
- Experiencing the database design and monitoring the database performance in AWS RDS and writing the complex queries using PostgreSQL
- Working on Machine Learning models using AWS Sage Maker and Deploying the Model endpoint in the Sage Maker Container

- Creating IAM roles for AWS Resources and Deploying them from Dev to Prod stage using Code Pipeline
- Writing Unit Test cases to verify the code using pytest and Functional Testing for API Gateway
- Providing Future Ideas and Improvements to the Platform and doing user testing for Front End
- Attend daily/weekly status and tech meetings with Project Manager and teams

The University of Massachusetts Medical School (Software Engineer)

July 2019 – September 2019

- Designed the User Interface and developed the web application using React, JavaScript and Bootstrap
- Created the DynamoDB databases using Python and Boto3 and integrated to the API gateway
- Designed and developed the GraphQL schemas and resolvers to query the databases and integrated in AWS AppSync using amplify framework
- Experienced in fetching the data from the APIs in JSON format using React and python
- Created a web application using CLI user inputs to upload the files into cloud services like S3 buckets
- Collected the client requirements, designed and presented the demo of the project
- Participated in sprint plans, code reviews and in daily stand-ups. Continuous co-ordination with the team during different phases of application development

Info Tech, Inc. – Gainesville, Florida (Software Developer)

January 2019 – April 2019

- Developed the Serverless Application Model (SAM) Template to create Cloud Formation, Code Pipeline, Code Builds, S3 and DynamoDB tables using YAML
- Created a CI/CD Pipeline which collects the source from GitHub, builds, tests and deploys the resources
- Built an API Gateway resources and integrated them with HTTP methods using python and boto3
- Integrated the lambda functions with API Gateway and solved log errors in the CloudWatch

Northern Illinois University (Research Assistant)

July 2018 – December 2018

- Designed and developed a web based Intelligent Interactive System on heart concept for the students
- Implemented the Kernighan's spelling correction algorithm by using Natural Language Processing methods and python
- Designed and developed the web application using Django, python, HTML, JavaScript and Bootstrap

Northern Illinois University (Undergraduate C++ Teaching Assistant)

August 2018 – December 2018

- Assisted for C++ programming course to teach programming, reviewed code and proctored assignments
- Conducted help sessions with students to resolve logical errors in Java assignments and tests

Child Development Department (Android Developer)

February 2018 – May 2018

- Designed and developed the Android game applications for children at Child Development Department
- Connected the Application to the databases using PHP and written SQL queries to fetch the stored data

Lets Innovate – Pune, India (Software Developer)

August 2016 – June 2017

- Created user-friendly GUI interface and Web pages using JSP, HTML, CSS, AJAX, JavaScript and jQuery and established Database Connectivity using JDBC for MySQL
- Responsible for designing, coding and developed the application in J2EE using Spring MVC
- Validated the front-end data using JavaScript and stored the validated back-end data into Redis using Java
- Trained the people from the basics of Java and python and monitored the dev team

ACADEMIC PROJECTS

Predicting Number of tweets for Research Papers

January 2018 - May 2018

- Predicted and Classified the social media impact for the given research paper using Machine Learning Algorithms and Big Data Analytics methods like data exploration, cleaning and features extraction
- Visualized the data using python seaborn library and created the correlation between attributes using Heatmap and Boxplots