Feazan Yaseen

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EDUCATION

Stony Brook University, Stony Brook NY   Graduated May 2019
Bachelor of Science, Computer Science
Dean's List

SKILLS

- Amazon Web Services
- Serverless Framework
- Terraform

- Python
- NodeJS, Express, MongoDB
- ReactJS

- Agile Development
- Communication
- Detail Oriented

EXPERIENCE

Cox Automotive Inc – North Hills, NY   July 2019 – Present
Software Engineer
- Guaranteed high availability via AWS Multi-Region Active-Active failover for application. Utilized Route 53 for health checks on core components along with DynamoDB replication between regions
- Created new API POST Endpoints to allow Credit Bureau Pull information to be persisted into database via AWS SQS
- Automated deployment process for project using Release tags, GitHub hooks and AWS CodeBuild with terraform scripts
- Implemented OAuth 2.0 Okta authentication for a React internal onboarding application and attached Okta JWT to subsequent requests for validation of active user
- Exposed internal API endpoints via IBM API Connect to create billable requests
- Pivotal role on application upgrade from Python 2 to Python 3 in order to preserve $3,000,000 revenue stream
- Converted application from flat-file retrieval to API calls

PROJECTS

Stack Overflow Clone – Microservice Architecture | NodeJS | Express | MongoDB
- Cloned Stack Overflow backend of all features
- Utilized RabbitMQ to satisfy high volume requests at peak times
- JWT user authentication and logging
- NGINX load balancer used to divert requests to their microservice destinations
- Used Apache Cassandra to store images/media files

Congressional Redistricting App – Spring Boot | MySQL | LeafletJS
- Automated generation of congressional districts based on set parameters (i.e. Compactness, Partisan fairness)
- Waterfall design approach, created sequence diagrams in planning phase from set requirements
- LeafletJS map used to highlight generated districts, as well as show current district borders
- Java backend interfaced with MySQL database using Hibernate JPA
- Included demographic data preprocessed into GeoJSON files for LeafletJS

YelpCamp – NodeJS | Express | MongoDB | Bootstrap
- Web application of a community driven campground directory
- Users can add and comment on campgrounds listings
- Implemented Passport.js authentication for secure login sessions
- Persisted User and Camp data in MongoDB to facilitate rapid prototyping
- Currently deployed on Heroku servers

RELEVANT COURSEWORK

- Cloud Computing
- Software Engineering

- Data Structures
- Algorithm Analysis

- Databases
- System Fundamentals