Mishuk Dutta

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Skills & Technologies

Languages: Python, Java, C++, JavaScript, GoLang (Novice)
Frameworks: Django, Spring Boot, React, Node.js Backbone.js
Databases: PostgreSQL, MySQL, DynamoDB, Cassandra, MongoDB, NoSQL
Others: AWS, Docker, git, Redis, Swagger, Terraform, RESTful Api, Agile, Scrum

WORK EXPERIENCE

Revel Systems, Atlanta, GA— *Software Engineer II*   *January 2019 – Present*

- Lead the conversion of Revels' Web and IOS applications' User-Authentication-Method **to OAuth2.0** by utilizing the Identity Provider **Auth0.**
- Implemented **Just-In-Time** (JIT) migration of 600,000+ users from 17,000+ single-tenant databases into a multi-tenant model.
- Developed and deployed scalable **micro-services** using **Python**, **Django, PostgreSQL, AWS DynamoDB** and **docker** using **TDD** principles
- Built **Single Page Applications** using **React** and deployed them using **AWS CloudFront, Route53** and **s3**
- Implemented **REST API** for micro-services (python, Go-Lang) and converted legacy APIs' to use **Oauth2.0**
- Designed and lead the modernization of legacy data stream handlers to handle high volume data (Using **Caching** and **custom Data Structures**) transactions and subsequently improved **performance** by **1500%**
- Modernized legacy web Application UI using **React** and worked on restructuring and simplification of legacy database schema without affecting user experience
- Used AWS services **(EC2, CloudFront, Lambda, CloudWatch, EventBridge, S3**)
- Implemented security features to conform to **WePay** merchant payment requirements.
- Set-up Log Streams for newly built Micro-services and SPA's using **AWS** services and **Datadog** integration
- Integrated **Banyan IoT** device portal into Revel's Management Console

Equifax, Alpharetta, GA — *Software Engineering Intern*   *May 2018 – August 2018*

- Developed micro-services and **RESTful APIs** for direct consumer services, using **Spring Boot** and **JAVA**
- Slashed development time by automating JUnit tests, enabling the team to significantly cut test writing time which resulted in consistently hitting 100%+ sprint completion rates
- Revamped internal employee screen-board using Angular and created a tool with CRUD functionality
- Provided test server deployment and software release using Jenkins

EDUCATION

University of Georgia, Athens, GA   December 2018
Bachelor of Science in Computer Science
Certificate in Data Science

PROJECTS

- Built an online REST API dictionary controller **[Java, Spring Boot, Maven]**
- Created a movie theater website using three-layered architecture **[Java, JavaScript, JDBC, Servlets]**
- Developed a file transfer tool using TCP protocol with a customizable number of threads and adjustable bitrate **[Python 3]**
- Built an Opinion Sentiment Reader using ML **[Anaconda, scikit-learn, pandas]**
- Developed a custom low-level shell that supports piping and job control **[C++14]**
- Built a Midi music generator using Evolutionary Algorithm **[Python]**