Andrew Moses

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Coimbatore – 641006, TN, India.

SKILLS

C#, Java, Python, TSQL, JavaScript, Typescript, HTML, CSS
Git, SQL Server, Postgres, IIS, Nifi, Kafka, RabbitMQ, Redis, Jenkins, Webpack, Docker, Grafana, Prometheus
ASP.NET MVC, Spring boot, Hibernate, Junit, Maven, Akka, ReactJS, Redux, Bootstrap
AWS EC2, S3, Lambda, DynamoDb

EXPERIENCE

Software Engineer at Payoda Technologies for HedgeMark, a Bank of New York Mellon company.   ***July 2015 - Present***
HedgeMark is a risk analytics platform which offers portfolio monitoring and evaluation tools tailored for hedge funds.

Responsibilities

- Designing and developing scalable and resilient software
- Understanding business requirements and designing new modules/functionality to meet those needs
- Learning and adopting technologies that suit business requirements better
- Creating automated unit tests to deliver robust and maintainable code
- Documenting the functionality of modules developed
- Liaising with external vendors to integrate third-party APIs
- Ensuring smooth deployment of code into the production environment
- Monitoring of deployed applications to identify performance bottlenecks

Achievements

- Designed and built a distributed data pipeline to unify financial data across multiple Lines of Business within BNY.
    - *Technologies used: Akka, Kafka, Nifi, SQL Server*
- Designed and built an event-driven data processing engine for calculating proprietary risk statistics. This involved building a microservices-based distributed system for managing risk models and calculating risk statistics.
    - *Technologies used: Akka Cluster, RabbitMQ, SignalR, React, Redux, SQL Server, Prometheus, Grafana*
- Implemented asynchronous reporting to prevent timeouts when running large reports by building a daemon to process long-running tasks asynchronously.
    - *Technologies used: RabbitMQ, Redis*
- Implemented SiteMinder authentication for client-facing web applications. This involved developing sub systems for migrating and managing user accounts in LDAP.
    - *Technologies used: ASP.NET MVC*
- Built a REST API with JWT authentication for providing risk statistics to external clients.
    - *Technologies used: ASP.NET Web API*

EDUCATION

Government College of Technology, Coimbatore   ***2011-2015***
Bachelor of Engineering (BE), Electronics and Instrumentation
CGPA**:** 8.21/10. First Class with Distinction
Relevant Coursework: Data Structures, Programming in C, Object Oriented Programming through C++, Microprocessors and Micro-controllers, Neural and Fuzzy Systems

PERSONAL PROJECTS

SalesCRM
Cloud Native multi-tenant Customer Relationship Management application.
Technologies used: React, Spring-boot, Hibernate, Keycloak, Postgres, Docker, AWS

LANGUAGES

English (Expert), Tamil (Expert), Hindi (Proficient)