Miraj Patel

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EXPERIENCE

Microsoft, Redmond - *Software Engineer 2*   June 2018 – Present
- Revamp legacy Knockout web application as a React SPA conforming to Fluent UI company standard using modern open source guidelines and frameworks (e.g. Office Fabric UI and React Json Schema Form)
- Published (internal) documentation for ramping up to company standards and the team's development, testing, and deployment practices, as well as user-level technical documentation for application components
- Actively integrate new commercial product management scenarios for service validation and user acceptance testing
- Coordinated with partner service teams to re-architect unwieldy or unintuitive customer scenarios
- Perform C# and JS code reviews to help ensure conformity to company guidelines and best practices, as well as recommend re-design when appropriate
- Built CI/CD pipelines on Azure DevOps for streamlined integration and UAT testing and release into multiple environments

Highbridge Capital Management, NYC - *Software Engineer*   May 2017 – May 2018
- Architected a real-time trade processing system using Apache Kafka (message queue) on distributed systems for fault tolerance and disaster recovery
- Architected microservices for regulation-mandated trade reporting and optimization of treasury analysts' daily workflows
- Developed web apps with intuitive event-driven Angular and Vue.js frontends for various stakeholders including traders, internal developers, and managing directors
- Developed developer-oriented RESTful API (Swagger/OpenAPI specification-compliant) for trade manipulation in order to reduce manual entry/checks at end-of-day
- Designed a more modern UI/UX of legacy web applications to establish internal starter kit with standardized company theme and lightweight authentication and authorization backend service
- Configured Jenkins jobs for automated builds, Maven deployment, and releases into QA and Production environments
- Optimized ETL procedures on SQL Server; reduced the runtime of audit-related backups by ~67%

Consolidated Edison, NYC - *Engineering Aide (Intern)*   May 2015 – August 2016
- Developed a dashboard on Google Maps to that allows management to prioritize Manhattan's electric network repair in accordance with urgency and customer impact
- Rectified over 20% customer data using NYC Open Data and Google Maps Web Services APIs
- Developed VBScript and Excel-related productivity tools to reduce manual effort and time required for data entry and analysis by over 50%
- Redesigned department's SharePoint site, document libraries, online forms, and Nintex workflows

EDUCATION - Cooper Union, NYC

Master of Engineering, *Electrical Engineering* (GPA: 3.8/4.0)   December 2017
Bachelor of Engineering, *Computer Engineering* (GPA: 3.3/4.0)   May 2016

SKILLS
- Proficient in C, C++, Java, JavaScript, MATLAB, Python, VBA, VBScript, HTML/CSS
- Working knowledge of Angular, React, Vue.js frontends and Node.js and Spring backends
- Experience with data science, machine learning, and natural language processing using Python (Keras, NLTK, NumPy, Scikit-learn)