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) and contribute back on GitHub and StackOverflow whenever I can
- Incorporate Azure App Insights (AI) telemetry to analyze user workflows and enhance the developer debugging experience when investigating customers' reported incidents
- Published team documentation for ramping up to company standards and the team's development, testing, and deployment practices, as well as user-level technical documentation for core libraries and UI components
- Actively integrate new commercial product management scenarios for service validation and UAT
- 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/Typescript, MATLAB, Python, VBA, VBScript, HTML/CSS
- Enterprise experience with React and Vue frontends, Node.js and Spring Boot (Java) backends
- Academic experience with data science, machine learning, and natural language processing using Python (Keras, NLTK, NumPy, Scikit-learn)