

- Summary
- 5 Years experiences in delivering delightful and scalable customer facing web applications with deep understanding about SPA, PWA, SEO, SEM, JWT, Web Performance, Service Worker, Security and Nginx.
 - 5 Years analytical experiences in interpreting and visualizing big data into meaningful stories using SQL, Python, Spark and Tableau.
 - 3 Years experience in leading risk management and digital marketing products in the financial industry.
 - Highly self-motivated in solving problems and learning new technologies. Actively contributing to front-end open-source projects.

Skills

JavaScript, Angular, NgRx, TypeScript, Node.js, Webpack, Java EE, Spring Boot, Python, Spark, ETL, Tableau, NLP, Git, SQL, NoSQL, Docker, Nginx, Protractor, Jasmine, Cucumber, AWS, Kubernetes

Experience

Marlette Funding - Lead Software Engineer, Manager Jun 2018 - Present, United States

- Led two front-end engineers and delivered a new responsive web application using Angular 6+, NgRx, TypeScript, Spring Boot, and AWS Aurora. Ensured 99.8% SLA, received 95%+ positive feedback, generated 7M+ revenue, and proceed 50M+ payments during the first six months from existing customers.
- Reduced 90% process runtime for an ETL process by leveraging Py-Spark, Docker and AWS Aurora Serverless.
- Reduced 40% first page load time for storefront page by analyzing web performance, identifying the root causes, setting up baselines, and implementing solutions in two weeks.
- Designed a near time voice recognition and NLP solution to discover customers' recording to business insights by leveraging Slack Webhook, AWS S3, SQS, SNS, Transcribe, Comprehend, Aurora and Lambda (Node.js).

Barclays - Software Engineer Feb 2015 - Jun 2018, United States

- Generated 20M+ revenue and improved 20% NPS by delivering a decision engine to proactively re-engage and retain credit card holders using Java EE, Spring Boot, Angular 2+, Spark and Python.
- Designed and developed a responsive web application by using Sketch, Angular 2+, Node.js and mongodb to help marketing to craft targeted content and deliver carefully tailored customer experience.
- Significantly improved sentiment analysis effectiveness by 50% after delivering a Python web crawler, NLTK and D3.js solution.
- Accelerated marketing KPI reporting cycle by 50% after leveraging Tableau, Tableau Server and SQL.
- Automatically detected offer fulfillment failures by scanning and visualizing ETL reports & web services logs through ELK and Tableau to reduce defect response time by 86%.

University of Delaware - Research Assistant Jan 2013 - Jun 2014, United States

- Successfully led and developed a ranking system with 85% forecast accuracy for U.S. Olympics committee to evaluate potential Judo athletes by using ELO, Python and Excel.
- Led and coached undergraduates to promote their websites by launching social media campaigns, integrating with Google analytics and evaluating visitor volumes.

Education

University of Delaware - Master of Business Administration (MBA) 2013 - 2014, United States
1st Place, 2014 Carol A. Ammon Case Competition, Lerner College MBA Program Scholarship

University of Delaware - Information Systems & Technology Management (MS) 2011 - 2013, United States
2nd Place, 2013 Carol A. Ammon Case Competition, Lerner College MIS Program Scholarship

Beijing University of Chemical Technology - Polymer/Plastics Engineering (BE) 2006 - 2010, China
Excellent Graduation Thesis, National Invention Patent