Yusuf Bagha

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Software Engineer
- Full Stack JavaScript & Python Engineer with experience developing scalable, maintainable, and secure Web, Mobile, and Voice applications from the ground up
- From concept and architectural design, to frontend development, backend development, and devops

SKILLS

Languages, Frameworks, Tools, and Technologies
- JavaScript/ES6, Python, HTML5, CSS3, SQL, and MongoDB
- Node, Django, Meteor, Express, React, Angular, jQuery, Ionic, Cordova, and Flask
- TypeScript, JSX, Redux, Blaze, Handlebars, SASS, Bootstrap, Docker, Kubernetes, and Firebase
- Npm, REST, JSON, AWS, EC2, Nginx, Jenkins, Travis, Gradle, Pods, Grunt, Gulp, Bower, and Git
- Xcode, Android Studio, Alexa Skills, Google Actions, Chatbots, DialogFlow, and WordPress

EXPERIENCE

Pymetrics, Software Engineer   **Feb 2019 - July 2020**
- Designed and implemented secure video upload to S3 directly from the frontend. 50K videos uploaded to date
- Studied Django change logs and manually modified 10K+ lines of code to incrementally update from v1.7 to v2.1
- Engineered lightweight, efficient, and scalable network speed test to check if user meets minimum requirements
- Increased application scalability by developing custom load testing script and identifying api inefficiencies

UDog, Engineering Manager   **Aug 2018 - Jan 2019**
- Reduced unnecessary spending by engineering a Node microservice that logs walker activity in Mongo
- Recovered application source code after data loss and restored Android app to Play Store
- Faced critical server failure during first week and restored services without revenue loss
- Expedited dog walker hiring by developing internal automation software for human resources
- Refactored application structure and implemented future bookings to increase customer spending

SandBox, Full Stack Software Developer   **June 2018 - Aug 2018**
SandBox, Software Developer Intern   **July 2017 - Sept 2017**
- Engineered administrative panel with varying functionalities for teachers, principals, and district heads
- Built and implemented a realtime Node chat application and into existing e-learning platform
- Managed engineering team and kept product development on track with business pivots
- Developed assignment based online homework platform with automated checks and reporting

Fresh Digital Group, Software Developer Intern   **Feb 2018 - Feb 2018**
- Debugged featured Alexa skill with Amazon's head voice engineer and deployed realtime fixes
- Collaborated with senior engineer to improve performance by migrating website from WP to React
- Researched technical viability and developed prototypes for Alexa and Google Assistant flight skills
- Accelerated application development cycles by switching to cross platform voice framework Jovo

SConfess, Cofounder / Full Stack Software Developer   **May 2016 - July 2016**
- Engineered application architecture that anonymized server-client communication using Express
- Vertically scaled Node application to handle 7000 users and debugged Mongo bottlenecks
- Utilized a mobile first approach to develop an app interface that automatically adapts to different devices
- Deployed realtime code fixes for app breaking bugs discovered by users without service interruption

SpaceTrades, Cofounder / Front End Software Developer   **Sept 2015 - May 2016**

- Pushed real time updates from server to client with asynchronous JavaScript and restful design
- Developed custom user interface that employs flexible layout and reactive templating
- Requested REST endpoints and programmed DOM manipulations based on server response

TrackPointMedia, Front End Developer Intern   **June 2014 - July 2014**
- Worked with founders to design and develop a mobile friendly promotional website in WordPress
- Implemented custom styles on top of prefabricated theme and wrote JavaScript to create animations
- Modified PHP source code to add analytical functionalities and disable unwanted plugin behavior