

Kaustubh Walokar

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SUMMARY:

- Software Engineer with concentration in distributed and mobile technologies having strong design orientation.
- Interested in Full-time opportunities as a backend & mobile developer graduated in Dec 2016.

SKILLS:

Languages	Java (proficient), Javascript, Scala, Python, Swift, Objective-C, C, C++
Front End	Angular JS, JQuery, HTML 5, CSS3, Bootstrap
Development	Spring, Node Js, Android, iOS, RESTful Services in IntelliJ, XCode Eclipse
Databases	Mongo DB, MySQL, SQLite, Oracle
OS	Linux, Mac OS, Windows
Frameworks	Spark, Maven, Gradle, Git, Jira, S3, EC2, AWS, HP-BPT, protobufs, Unity 5, GRPC, OAuth2, Kafka, Apache Giraph, Hadoop, SAML, Okta, Apache Graphx, JUNIT , REST

EDUCATION:

- **MS, Software Engineering – Expected Dec 2016 (GPA 3.71):** San Jose State University, San Jose, CA.
Coursework in Enterprise Software System Design and Cloud Technologies.
- **BE, Computer Engineering – July 2012 (First Class with Distinction):** Pune University, Pune, MH, India.

EXPERIENCE:

- **PricewaterhouseCoopers- USA (Cybersecurity and Privacy - Intern) - June 2016 – Aug 2016**
 - Proposed & Worked on securing the cloud data used in enterprise systems.
 - Used SAML and Active Directory based authentication in implemented systems.
- **VivaLnk Inc. (Software Engineer- Intern) - Jan 2016 – May 2016**
 - Designed iOS SDK library for iBeacon Bluetooth low energy device in Objective C.
 - Helped improve app performance by analyzing threading structures and then optimizing.
 - Achieved 80% accuracy in Implemented algorithm to predict human body temperature at given time.
- **Cognizant Technologies (Programmer Analyst) - Oct 2012 – Dec 2014**
 - Wrote reusable Automated scripts for testing application flow across multiple heterogeneous systems.
 - Performed end-to-end tests on developed system with Business Process Testing framework.

PUBLICATION:

- **Android Application for Dementia and Alzheimer's Management –ADAM**
 - Developed an Android app for people with Dementia/Alzheimer's to help them perform daily activities.
 - Based on an initial research & then published in July 2012 in IJIEE. (<http://www.ijee.org/show-32-314-1.html>)

PROJECTS:

- **Distributed Graph Processing using Fog Computing – Dec 2016**
Designing a framework to do short graph operations on IoT devices in a Fog to save cloud resources.
Utilizes latent devices and n/w for computation. *[Apache Spark, Apache Graphx, Scala, Apache Avro, Mqtt, Java]*
- **Massive Online Open Course- Distributed Server System - Nov 2015**
Developed A fault tolerant, consistent and scalable distributed System based on Raft.
[Netty, Java, protocol buffers, Python]
- **Smart Parking System – Mobile Sensors aaS - Nov 2015**
Provided Mobile sensors as a cloud service for consumers.
Implemented a smart parking system to show use of MSaaS. *[EC2, nginx, SOA, MongoDB, Nodejs]*
- **Musico – Music Recommendation - April 2016**
Used user ratings to recommend Spotify playlists using weather, time, location and user feedback.
Live IoT device used to read temperature and location. *[Mahout, Spring, Angular, Android, Java]*
- **Facebook Time Machine - May 2015**
Developed REST api to back up a person's photos and videos from Facebook.
Deployed a Facebook app to use the API. *[Spring with Java, Mongo DB, Angular JS]*
- **SpartaDrive - Nov 2015**
Created a File sharing Android app with device-to-device notifications, viewing and email files with other users.
Used own data structures to maintain sharing information on S3 buckets *[AWS S3, Parse, Google Api]*
- **MAPSJ – San Jose State Native Map – Fall 2016**
Created a Map app natively in iOS without using Map Apis to provide user location, distance to buildings and time estimates when walking.
Harnessed Google Maps Api for time estimates. *[Core Graphics, Swift, iOS 9]*