

KHUSHALI SHAH

Los Angeles, CA

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EDUCATION

University of Southern California, MS in Computer Science

Fall 2017 - May 2019

Courses: Analysis of Algorithms, Foundations of Artificial Intelligence, Web Technologies, NLP, DB, ML

L.D. College of Engineering, Gujarat Technological University, BE in Computer Engineering

June 2012 - June 2016

Courses: Data and File Structure, DBMS, OOP with Java, Software Engineering, Information Security

TECHNICAL SKILLS

- ✓ *Programming/Scripting Languages:* Java, Swift, C, Python, Go, JavaScript, PHP
- ✓ *Web-Technologies:* Hibernate, Servlet, JSP, IRIS (Go), GORM (Go), HTML5, CSS3, jQuery, Bootstrap, NodeJS, AngularJS
- ✓ *Database || Tools:* SQL, NoSQL || Git, JIRA
- ✓ Android Development using JAVA and iOS Mobile Application Development using Swift & Objective C

PROFESSIONAL WORK EXPERIENCE

Jr. Web Developer, University of Southern California

May 2018 - Present

- Working on LONI, LONI-CMS and INI Web-Applications using Go Language (IRIS Framework – MVC Model), Go Templates, MySQL, REST API, GORM (Object-Relational Mapping) and other web-technologies
- Developed Grants and Publications data-fetcher API (a Cron Job) from NIH, NSF, PubMed/PMC database
- Reduced 88% execution time in LONI-CMS Data Fetcher API by optimizing it using Go Concurrency Model

Software Engineering Intern, Delpod LLC

May 2018 – August 2018

- Participated in designing and development of Replay Listings iOS Application using Agile Development Practices
- Worked on draft storage, failure handling for video uploads, charts using Firebase, IGListKit, AVFoundation

Research Student, CarmaCam

January 2018 – April 2018

- Researched and implemented Google Maps, ESRI Maps, UI/UX in Android Application in Agile Environment

Software Engineer, Iolite Softwares Private Limited

June 2016 – May 2017

- Developed Native Android, iOS Applications and backend services using PHP and MySQL Database
- Technologies used: Google Cloud Messaging (GCM), Google Map APIs, Apple Maps, SQLite
- Apple Push Notifications, Blackberry Push Notifications, Image Compression, Barcode and QR Code Scanner
- Contributed in building application logic, creating and implementing user stories
- Led a team of 5-6 people and managed Software Development Life Cycle as a Project Head
- Increased company's production by 20% through providing technical training of App Development to 4-5 employees
- Maintained and fostered professional relationships with clients by conducting meetings for project development

Software Engineering Intern, Iolite Softwares Private Limited

July 2015 – May 2016

- Developed Android Applications: Iolite School ERP Student-End, Iolite School ERP Teacher End, Iolite IPMS
- Reduced 30% space complexity by providing optimized flow structure and memory allocation strategy for Iolite School ERP Student-End Application in implementing Multi-User-Login functionality

PROJECTS

- **Travel & Entertainment Portal:**
A Responsive Web and Android App developed using AngularJS, NodeJS & Google Maps, Google Places, Yelp & Twitter APIs.
- **USPTO Form Filler Chrome Extension:**
Developed chrome extension for automatic online form fill up using HTML, CSS, JavaScript and Chrome APIs.
- **Outlook Mail Grabber:**
Developed Outlook Add-in in C# to smartly extract data from emails and push it to a centralized web-server.
- **PDF to Excel Converter:**
Designed algorithms to extract specific data from 10 types of PDF files and generate data in XLS Files.
Technologies used: File I/O, Apache PDFBox, Apache POI, Apache Commons, Java Swing
- **Campus Talk:**
Developed and designed a Web and Android Application for students to access college campus virtually.
Implemented technologies: Java Servlets, JSP, Hibernate, MySQL, HTML, CSS, JavaScript, jQuery, AJAX, Bootstrap, Web Services