

# Vishal Sinha

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## Objective:

Results driven, broad-based web developer seeking to gain depth with JavaScript technologies (Angular and Node).

## Programming and Computer Skills:

- **JavaScript:** AngularJS, JQuery, Node.js, Express.js, MongoDB, AJAX, Agile, OAuth (Google + Facebook), Firebase, Nodemailer, Bower, Git, JSON, CSS, Bootstrap.
- **Infrastructure:** C, C++, Python, Tcl/Tk, PHP, Scheme, Bash, Windows, Linux (Ubuntu, Red Hat, Slackware, Debian), MySQL, Oracle, Sybase, MongoDB, Mongoose, HTTP, HTML, XML.
- **Java:** Servlets, JSP, Ant, JBoss 4, JDBC, Struts, Hibernate, JPA, JFC (AWT & Swing)
- **Telecommunications:** LTE, 3G UMTS, GSM, GPRS/EDGE, Nortel BSS, OSS, PCM

## Education:

### **Coder Camps (Software Immersion Institution) – Oakland, California, October 2015**

- Full Stack JavaScript Certification
- Object Oriented Programming (OOP) with JavaScript
- Programmed single page apps using AngularJS (frontend), Node.js (backend), and MongoDB (NoSQL database)

### **Advanced Courses in Java (UCSC - Silicon Valley)**

- Java EE Enterprise and Spring Framework

### **Bachelor of Engineering in Electronics and Communications.**

## Projects:

**League Force:** Application for league creation and management of teams, players, and matches as well as newsletters and user messaging. Built using the MEAN Stack, HTML5, Bootstrap, CSS3, Google Maps API, Cloudinary (for pictures), and authentication via Passport.js, Google and Facebook. Available at: <https://leagueforce.us/>

**Swinder:** Tinder-inspired application for matching couples based on their preferences along with a messaging system for communication. Built using the MEAN Stack, HTML5, CSS3, Bootstrap, and authentication via Passport.js.

**WTracker:** Messaging application between sales and product management teams. Feedback was tracked and organized along organizational workflow and commitments. Built using the MEAN Stack, HTML5, CSS3, Bootstrap and authentication via Passport.js

**MarketingTags:** Marketing application where a user is able to analyze a web page URL by viewing a content based tag cloud. Built using Java, GWT, JPA.

## Employment History:

### **Coder Camps, Oakland, CA** **Backend Lead**

**September 28<sup>th</sup> – October 15<sup>th</sup>, 2015**

- Led an Agile team of developers to publish websites rapidly within 3 weeks.
- Built full stack sites using JavaScript MEAN (MongoDB/NoSQL, Express, Angular, Node), Socket.io, HTML5, CSS3, and Bootstrap.
- Integrated with 3<sup>rd</sup> party APIs including Google's OAuth API, Facebook Graph API, Firebase's Real-time database service, Cloudinary's Image management service.

**Deloitte Consulting LLP, Atlanta****Java Software Developer****August 2014 – December 2014**

- Developed a Java-based web application (Integrated Eligibility System) to determine eligibility benefits offered by the state of Georgia.
- A framework based on Struts was used in the design and development.
- Oracle was the database used for the application.
- A customized system similar to Hibernate was used for CRUD operations on the database.
- Enterprise Java Beans (EJB) was used to build IES.

**Amirit Technologies****RF Engineer****April 2008 – December 2012**

- Responsible for the engineering design, system performance and RF optimization of GSM radio networks for T-Mobile in Chicago and Milwaukee.
- Responsible for evaluating capacity requirements and working with other departments to meet growth needs.
- Optimization, Performance analysis, frequency planning, BSS Dimensioning, Site selection & Technical site survey, traffic and capacity planning.
- Re-home Cell site to a new BSC and to balance the traffic among existing BSCs.
- Prepare Data Transcript for GSM 1900 using OMCR and OSS tools. Created command files using Base Station Management.

**T-Mobile U.S.A, Concord****RF Design Engineer****May 2007 - March 2008**

- Performed microwave analysis (Path Loss and Availability calculations), designed cellular networks, RF coverage planning, site identification and evaluation.
- Planned and changed BTS Parameters, test equipment and performed optimization.
- Designed transport hubs, microwave donors and recipients for most cost effective deployment.

**Hi Tec Commercial Services****T-Mobile U.S.A, Chicago****RF Engineer****April 2005 – April 2007**

- Worked closely with RF on Site issues, such as Drop Calls, IHO & OHO Fails.
- Support Operations 24/7 and On-call support during weekends, educate client on system, and manage all client requested services.

**T-Mobile U.S.A, Chicago****RF Engineer****June 2001 - March 2005**

- Designed and implemented a web application for internal use by RF Engineers for performance monitoring and auditing neighbor relationships using Linux, Apache, Python and PHP.
- Used Sybase, wrote stored procedures, functions and SQL queries.
- Experience with Sybase, IBM's Web Sphere, Tomcat and Apache.
- Built scripts for 2G & 3G Cell Sites re-homes on Nortel platform. Managed RF Parameters; created several applications to add Radios and expansion cabinets in 2G Nortel system.
- Designed and implemented Nortel Command Files (scripts) in Unix and Linux using Python and Java.

**References Available Upon Request**