

## **VISHAL SINHA**

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[GitHub](https://github.com/sinhvis): <https://github.com/sinhvis>

[Project](http://www.leagueforce.us/): <http://www.leagueforce.us/>

[LinkedIn](https://www.linkedin.com/pub/vishal-sinha/5b/33/148): <https://www.linkedin.com/pub/vishal-sinha/5b/33/148>

### **Programming and Computer Skills:**

- JavaScript: AngularJS, JQuery, Node.js, Express.js, MongoDB, AJAX, Agile, Google OAuth, Facebook OAuth, Firebase, Nodemailer, Mongoose, Bower, Windows, Git, JSON, XML/HTML, CSS, Bootstrap
- Languages: Java, C, C++, Python, Tcl/Tk, PHP, Pascal, Scheme, Unix shell
- Operating Systems: Windows, Linux (Ubuntu, Red Hat, Slackware, Debian), Unix (Sun/Solaris, IRIX)
- Internet Protocols: HTTP, HTML, XML, WSDL, UDDI, SOAP
- Java Technologies: Servlets, JSP, JSTL, Ant, JBoss 4, Tomcat, JDBC, Struts, Hibernate, EJB 3 & 3.1, Java Persistence API, Session Beans, Glassfish Server, JFC (AWT & Swing)
- Databases: MySQL, Oracle, Sybase, MongoDB, Mongoose
- 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 for the web using AngularJS (frontend), Node.js (backend), and MongoDB (NoSQL database)

#### ***FreeCodeCamp – Online FullStack JavaScript program (self-paced)***

- MEAN Stack App development
- Develop projects for non-profit organizations

#### ***Horizon Technologies – Java Backend Developer Program***

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

- Enterprise Solutions Using Java EE
- Developing Java and Java EE Applications with Spring Framework

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

### **Employment History:**

#### **Coder Camps, Oakland, CA**

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

#### **Backend Lead**

Published a fully functional website using Agile software development techniques with a team of developers. The project was accomplished within 3 short weeks, using full stack JavaScript (MEAN), HTML5, AngularJS, NoSQL, new web technologies such as frameworks, libraries, and APIs. The product was presented publicly and is now available for viewing on my website at <http://www.leagueforce.us/>

#### **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****Web Application Developer****April 2008 – December 2012**

- 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 MySQL as the database in Database Design, creation and management of Schemas, writing stored procedures, functions, triggers, SQL queries.
- Experience with Oracle 9I AS, IBM's Web Sphere, Java Web Server, TOMCAT and Apache.
- Worked on Oracle and Sybase to build applications using JDBC.
- 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.

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

- Responsible for cellular system design using CDMA and GSM technology. Performed drive test scheduling, optimization, and system design at site locations.
- 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**

- Work closely with RF on Site issues, like 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****Jun 2001 – March 2005**

- 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.

**Voice Stream Wireless****System Performance Engineer****January 1999 – May 2001**

- Support field operation & maintenance team to resolve the faults in Nortel's S8000 and S12000 BTS sites.
- Perform operation & maintenance for Nortel DMS MSC and BSC Switch.
- Monitor alarms and troubleshoot efficiently.
- Load BTS software, and ensure its smooth workflow.