

Suhail Ansari

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Work Experience

- **Part-Time (On-Campus) Web Developer at USC Dornsife Technology Services** (April 2016 - Present)
 - Part-Time full-stack developer, developing web apps using Adobe Coldfusion, MS SQL Server, HTML, CSS and JavaScript.
- **Software Engineer at Okutech Pvt. Ltd.** (Sept 2015 – Dec 2015, Contract Position)
 - Lead developer for the **Okutech's 2nd gen Instant Messenger platform** based on the popular Erlang based XMPP server EjabberD.
 - Developed several EjabberD modules to implement business requirements and give a seamless mobile experience. Developed modules for message archiving and retrieval, push notifications for offline messages, a temporary roster and presence manager and to bridge the 1st gen IM for legacy users.
 - Responsible for production deployment of the server.
- **Software Engineer (Emerging Technologies) at Shaadi.com** (Aug 2012 – Aug 2015)
 - Lead developer for the **Shaadi.com's 2nd gen Instant Messenger platform** based on Java based OpenFire XMPP server.
 - Lead developer for a scalable and highly configurable **SMS sending Platform** to handle all of shaadi.com's high volume promotional and transactional SMS.
 - Developed a chrome extension and a python based server to handle Zendesk tickets through Whatsapp for Shaadi.com's in-house hackathon. The entry won the first-prize and now being used by the CRM Employees.
 - Developed an **Experimental IM Server** with web sockets and long-polling support using the fast Clojure based HTTP server HTTP-Kit.
 - iOS Developer implementing the **Daily 5 and Female Free Premium chat feature** in Shaadi.com iOS app.
 - iOS/Full-Stack developer on Shaadi.com iOS app, **converting the app** (previously in only HTML JavaScript) **in to a hybrid app**.
 - Implemented the native **Photo upload feature** in Shaadi.com iOS app.
 - Full-Stack Developer for the **Shaadi.com IM (client side) Chrome and Firefox extensions**.
 - Full-Stack developer for Shaadi Labs.
- **Research Intern at UESTC, Chengdu, China** (May 2010 – July 2010)
 - Conducted research on routing algorithms based on VANET. Implemented and simulated these algorithms on the JiST/SWANS platform. Collected data from the simulations under various scenarios to study the performance of these algorithms.

Skills

- **Java:** Experience with Spark Web Framework, Java 8, OpenFire XMPP server and some intermediate level android programming.
- **Node.js:** Express.js, Hapi.js, Jade, Knex.js, Bookshelf, Mongoose, ES6, etc. Good experience with developing Web Apps, REST services and micro-services.
- **JavaScript:** jQuery, Angular.js, React.js (with some React-Native)
- **Python:** Flask, SQLAlchemy, Scikit-Learn, Numpy, OpenCV, etc.
- **Erlang:** Erlang/OTP, Cowboy, Ejabberd, eMQTTd, RabbitMQ, PoolBoy, etc.
- **Objective-C:** Experience with popular libraries like AFNetworking, JSONModel and SDWebImage.
- **HTML + CSS:** Bootstrap, SASS, CSS3, Flexbox.
- **Databases:** MySQL, PostgreSQL, Redis, RethinkDB, MongoDB.
- **Misc./Other Skills:** Clojure, AWS, Google App Engine, Git, Nginx, bash scripting.

Side Projects

- **AutoRed:** A simple autocomplete engine for Node.JS using Redis. (<https://github.com/suhail-ansari/autored>)
- **HRIS Login App:** Being unhappy with going through 3-4 webpages just to log my work time, I made a simple android app to do that in just one click.

Education

- **MS in Computer Science** from **University of Southern California** (Jan 2016 - Present)
- **M.Sc. (Integrated, 5 years) in Maths and Computing** from **IIT (ISM) Dhanbad** (2007-2012)
 - **GPA (absolute scale) 8.26/10 (2nd in Class)**