

Som Prabh Sharma

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Employment

Crowdfire, Mumbai **Senior Software Engineer** **May 2016 – Present**

Crowdfire

- Introduced and owns 6 micro-services to perform various tasks for 15 million users.
- **Authentication Engine:** Allow Crowdfire users to add their facebook, pinterest, wordpress, shopify, etsy, youtube and any blog which has rss feed.
- **Proxybox:** Single Point of Contact of all micro-services to fetch data(profile, properties, feeds, insights) from outside world (facebook, wordpress, shopify, twitter, instagram etc.) and send it for saving after normalization.
- **Trigger Engine:** Implemented If This Than That(IFTTT) concept, which on trigger of an event usage a rule engine to take decision and performs various actions. Maintainable code helps adding new event and actions very easy.
- **Property Engine:** A client facing micro-service to generate marketing recipes based on properties data.
- **Report Engine:** A client facing micro-service to calculate reports(i.e. how much user did grow in past 24 hours based on some metrics) every day. Also send it for saving to generate weekly and monthly reports.
- **Chaukidaar:** Api gateway for all micro-services Crowdfire uses. It performs authentication and various security checks based on api type and redirect to respective micro-service.
- Implemented Oauth2 i.e. Crowdfire now supports Login with Crowdfire and outside world to use its apis.
- Added Crowdfire bot for messenger, slack, kik, skype, telegram using MBF, messenger's bot framework.
- Worked on various enhancement and bug fixes in various micro-services.
- **Technology Exposure:** NodeJS, HapiJS, ExpressJS, Go, Java, J2EE, PassportJS, Struts, Gin, Aerospike, MongoDB, Oracle, PostgreSQL, Redis, Elastic Search, DynamoDB

Tech Mahindra, Noida **Software Engineer** **August 2014 – May 2016**

Web Access Ordering

- Developed telecom industry application New WAO from scratch, replacing screen scrapping used in Old WAO.
- Enhanced database calls by replacing Spring Hibernate and JDBC calls to Hibernate throughout the application.
- Wrote PL/SQL procedures to compare complex data from one database to another database for changes.
- Developed Pipeline Utility – a data conversion process from mainframe system to oracle database.
- Reduced human efforts and time upto 80% by automation of Pipeline Testing.
- Introduced Angular JS to enhance the user experience by adding dynamicity and to overcome IP issue.
- **Technology Exposure:** Angular JS, Hibernate, Struts, Java, J2EE, JS, SQL, PL/SQL, WebSphere, IBM RAD, REST

ATT Intelligent Visualizer

- Rewrote the application from JSP, Servlets, and Java to only Angular JS to interact with the API thus reducing lines of code upto 50%.
- Replaced WebSphere Application Server by using Apache Http Server, thus reducing cost to almost 100%.
- **Technology Exposure:** Angular JS, JQuery, Java Script, Bootstrap, Java, J2EE, RESTful Web Services

Additional Projects

- **Monitoring of Public Loos:** A QR code based feedback management system for monitoring of public toilets in India. MEAN Stack.
- **Digital Switch:** An IOT device to interact with home appliance and an app that can smartly control the home appliances. MediaTek Linkit One, Embedded C, AWS IOT, MEAN Stack.
- **Volunteer For India:** A tinder for volunteers and NGOs. MEAN Stack.
- **Check Your GK:** A web portal for govt. job preparation where students can practice question give online tests. J2EE, AngularJS, MySQL.
- **Dynamic Doctor Catalogue:** A two-way interaction system for patient and doctors for setting appointment and Q&A. J2EE, JS, Oracle.

Languages and Technologies

- **Languages:** Javascript, NodeJS, Java, J2EE, GO, SQL
- **Frameworks:** ExpressJS, HapiJS, Struts, Gin, PassportJS
- **Database:** Aerospike, MongoDB, MySQL, Oracle, PostgreSQL, Redis, Elastic Search, DynamoDB
- **Others:** Microservice Architecture, Pubsubhubbub, Microsoft Bot Framework, Trigger Action Architecture, Kubernetes, Kibana, Webstorm, Eclipse, IntelliJ, Git, Trello, AWS

Achievements

- Promoted to **Senior Software Engineer** in Crowdfire for exceptional performance in February 2017.
- Invited by **President's House, India** to participate in Hacathon for Social Innovations 2016.
- Won **Solution for Best Process Award** in CodeForIndia Hackathon 2015.
- Won **Third Prize** in MI 16 Hackathon 2015.
- **Associate Of The Month & Pat On Back** for Technical Excellence in Tech Mahindra by IBU Head.
- **Certificate of Merit** by Education Service Group, Tech Mahindra for being top performer among 1000 colleagues in ELITE program.
- Certificate by **Election Commission, India** for duty as **Web Casting Officer** in Assembly Election 2013 & Lok Sabha Election 2014.

Education

Government Engineering College, Ajmer

2010 – 2014

- B.Tech. in Electronics and Communication Engineering (68.96%)