

ARJUNLAL B

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Profile Summary

A passionate and versatile engineer with more than three years of experience in Full Stack development. Quick learner, motivated, pragmatic and takes responsibilities.

Experience

LinkedIn

Since Nov 2017

Software Engineer, Trust Engineering

(Full Stack Engineer)

- Designed and built multiple tools end-to-end with UI, viz; User and Roles Administration, Black-white listing, red-tagging etc for the internal tool *Inspector*.
- Designed user interfaces for multiple tools and mentored multiple engineers on frontend development
- Prototyped a drag and drop UI builder application
- Built an auditing and review framework for access control management system.

BloomReach

July 2015 - Nov 2017

Member of Technical Staff, Engineering

(Full Stack Engineer)

- Designed and built an extensible single sign on infrastructure for Bloomreach Products suite, using Auth0, with support for SAML, OAuth, LDAP and other authentication protocols
- Multiple UI tools like Reporting tool for A/B Testing Framework, Configuration Management, Search Ranking Diagnostics, etc
- Designed and created a common access control framework for dashboards, with user management features
- Designed and created a scalable and efficient configuration workflow between dashboard and backend infrastructure
- Integrated multiple dashboards built on different technology stacks into one user interface, to provide seamless UX
- Revamped and upgraded the infrastructure
- Designed and built an automated testing framework

Technical Skills

- Backend Development : Scala, Java, Python, Bash
- Frontend Development : Javascript, AngularJS, Dust JS, JQuery, HTML, CSS | (Currently learning Vue)
- Play Framework, MySQL, Redis, AWS
- Maven, SBT, Jenkins, Unix

Education

Master of Technology, Indian Institute of Technology Madras (IIT-M), India

2013 - 2015

Computer Science & Engineering

Bachelor of Technology, Rajiv Gandhi Institute of Technology (RIT), Kottayam, India

2008 - 2012

Computer Science & Engineering

Publications

Co-authored and published paper titled 'Compiler based approach to estimate software reliability using metrics' in IEEE India Conference INDICON 2011 - <http://dx.doi.org/10.1109/INDCON.2011.6139399>

Key Projects

1. Quick Open : A Personal Short URL Manager for Chrome

Personal Project, Chrome Extension

Built a chrome extension that enables users to create and manage their own personal short URLs. Available for download at <https://goo.gl/UMTnjp>

2. An efficient hash tree based forward secure signcryption scheme (Jan '14-May '15)

Project, M.Tech, Guide : Prof. C. Pandu Rangan, Professor, Dept of CSE *IIT Madras*

Proposed how to construct an efficient hash tree based forward secure signcryption scheme based on BLT signature - a server assisted personal digital signature scheme based on hashing and publishing mechanism. Apart from the basic properties desired from signcryption schemes, the scheme also provides efficiency, forward secrecy, easy verifiability by third party and flexibility.

Achievements

- State level runner up and national finalist of Infosys Aspirations 2020 Programming Contest, 2011
- Won Second best student project award, Computer Society of India, Trivandrum Chapter, 2012

Other Interests

- Technical Speaker; Delivered talks on Frontend Development at LinkedIn
- Conducted workshops on Parallel Programming across various campuses in India
- Hackathons and self interest projects; Developed Windows 8 and 8.1 apps at Microsoft Wowzapp Worldwide Hackathon, VIT, Vellore - 2012, Microsoft Code.Fun.Do Hackathon, IIT Madras - 2014 & 2015