

# ARJUNLAL B

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## Profile Summary

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

## Experience

### LinkedIn

Since Nov 2017

*Software Engineer*

- Working in the Trust Engineering Team

### 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, AngularJS 2, Dust JS, HTML, CSS
- 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 Academic Projects

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### 1. 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

In this work we conduct a study on signcryption schemes and propose 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, our scheme also provides efficiency, forward secrecy, easy verifiability by third party and flexibility.

### 2. Regression testing of Object Oriented Programs using model, traces & dominant nodes (Jan-May 2012)

Project, B.Tech, Team of 3. Guide : Vipin Kumar K.S, Assistant Professor, Dept of CSE RIT, Kottayam

A compiler, written in Java and ANTLR, that reverse engineers and generates the model, as Class Dependency Graph and Control Dependency Diagram, of a Java program from the code, identifies execution traces and dominant nodes to help in testing the program.

### 3. Compiler to estimate reliability of Object Oriented Programs using software metrics (Jan-May 2011)

Mini Project, B.Tech, Team of 4, Guide : Vipin Kumar K.S, Assistant Professor, Dept of CSE RIT, Kottayam

A compiler, written in Java and ANTLR, that performs code based analysis of programs written in C++ to estimate the reliability using various software metrics.

## Achievements

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- 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

## Positions of Responsibility

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- M.Tech Second Year Councillor & Student Affairs Council member at IIT Madras 2014 -'15
- Member, Placement Core Team and Board of Placements, IIT Madras 2014 -'15
- Google Student Ambassador for IIT Madras 2014 -'15
- Assistant Director (honorary) at Academy for Mountaineering & Adventure Sports, Trivandrum since June 2011
- Core Coordinator - Design Team, Exebit 2015 and Coordinator - Media Team, Exebit 2014, Technical Fest of Dept of CSE, IIT Madras
- Student Coordinator, ENSEMBLE 2012 - National Level Techno-Cultural-Sporting Fest, Dept of CSE, RIT, Kottayam

## Other Interests

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- Technical Speaker; 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
- Badminton and Table Tennis Player; Member of College Team during undergrad studies, 2011-'12