

# Ershad Kunnakkadan

## Résumé

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### Technical skills

<b>Languages</b>	Ruby, Python, C, C++, HTML/CSS/Haml/SaSS, JavaScript, Visual Basic, Embedded programming with C	<b>Frameworks</b>	Ruby on Rails, WebDriverIO, ReactJS, AngularJS, Qt4, Pyxmpp, python-twitter, jQuery, gammu, gloox, Silpa
<b>DevOps</b>	AWS, Heroku, Cloudflare, DigitalOcean, Docker, Ansible, Chef, Terraform, Nomad, Consul, Vault, Okta	<b>Software Packages</b>	PostgreSQL, MySQL, MongoDB, L <sup>A</sup> T <sub>E</sub> X, Adobe Photoshop, Office suites

### Work Experience and Positions

July 2015 – Present **Senior Software Engineer**, *BigBinary*, Remote/San Francisco, <https://bigbinary.com>. Full Stack Developer. Consulting for various clients of BigBinary. Notable work -

- **Gumroad, Inc.** <https://gumroad.com>  
Dockerized/terraformed the infrastructure and tuned the performance of the application. Reduced infrastructure costs by 10%.
- **Quor** <https://www.quorstudio.com>  
Built financial analytics platform to manage agriculture farms.
- **Emami Frank Ross Ltd.** <https://www.quorstudio.com>  
Helped move online pharmacy infrastructure from one AWS region to another.

Jan 2013 – July 2015 **Software Architect**, *BangTheTable*, *Bangalore*, <https://bangthetable.com>. Lead of one of the team. Designed and implemented solutions for the flagship product EngagementHQ while taking care of its DevOps, scalability and security. Notable work -

- **Engagement tools**  
Brainstored and built various engagement tools.
- **Data migration**  
Helped move 100+ clients from their individual Rails apps to SaaS.

May 2012 – Dec 2012 **Software Engineer**, *BangTheTable*, *Bangalore*, <https://bangthetable.com>. Contributed to the development of various software products of Bang the Table.

Mar 2012 – Apr 2012 **Developer Intern**, *BangTheTable*, *Bangalore*, <https://bangthetable.com>. Learned and developed software for BangTheTable.

Oct 2011 – Feb 2012 **Systems Programmer**, *Rainbowlive Technologies*, *Kochi*, <https://rainbowlive.in>. Developed computer network based products.

### Education

- Bachelor's degree in Computer Science from Bharathiyar University, Coimbatore, India.

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## Google Summer of Code (GSoC)

- 2014 **Language detection and filter in Diaspora**, *Swathanthra Malayalam Computing*.  
Mentored a student who built the language detection and filter in Diaspora.
- 2013 **Grandham - Bibliography data project**, *Swathanthra Malayalam Computing*.  
Built Grandham platform and APIs. Successfully completed the project.

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## Security Bounty

- o **GitHub** – <https://bounty.github.com/researchers/ershad.html>  
Found a security vulnerability in GitHub Gist.
- o **Prezi.com** – <https://prezi.com/bugbounty/whitehats>  
Found a security vulnerability which exposed title of presentations in database.

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## Open Source Contributions

- 2017 **GitLab, Inc.**, Built a feature to directly address users in description / comments.,  
<http://contributors.gitlab.com/contributors/ershad-kunnakkadan/commits>.
  - 2012 **Wikimedia**, Fixed issues related to Universal Language Selector, <https://wikimedia.org>.
  - 2009 – Present **Swathanthra Malayalam Computing**, Developed and translated applications for the local community, <https://smc.org.in>.
- Other contributions**, <https://github.com/ershad>.

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## Blogs

- o **BigBinary Blog** – <https://blog.bigbinary.com/authors/ershad>  
Wrote technical posts on Ruby on Rails and DevOps.
- o **Personal Blog** – <http://blog.ershadk.com>

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## Pet Projects

- o **SaveCloudCost** <https://savecloudcost.com>  
Work-in-progress side venture to help companies cut down their infrastructure costs.
- o **TalentSpace**  
Founded a hacker school and taught Ruby on Rails to 6 students over a span of 2 months.
- o **QuizGrid** – <https://quizgrid.com> (Terminated)  
A Social network based on quiz.
- o **Myfest** – <https://myfest.in> (Terminated)  
A web application in Ruby on Rails to find and share campus fests accross India.

- **Salt Analysis Simulator**

Higher secondary school project. Simulation of laboratory salt analysis process.

- **Twitter Malayalam Dictionary bot**

A Malayalam dictionary twitter bot based on SILPA framework of SMC.

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## Achievements

- Nov 2012 **Hackathon, Wikimedia Foundation.**  
Won the prize for 'The most innovative project' in Wikimedia DevCamp conducted at IIM Bangalore
- Jul 2012 **Hackathon, Innoz technologies, Bangalore.**  
Won third prize in the National Level Hackathon conducted at Innoz technologies, Bangalore
- Mar 2012 **Shell Scripting Contest, Saintgits College of Engineering, Kottayam.**  
Won first prize in the National Level Shell scripting competition conducted as a part of Nakshatra Tech fest
- Feb 2012 **Shell Scripting Contest – Scriptaculous, TKM College of Engineering, Kollam.**  
Won first prize in the National Level Shell scripting competition conducted as a part of Conjura Tech fest
- Feb 2012 **Virus infiltration and healing competition – Virus Evacuation, College of Engineering Kalloppara, Pathanamthitta.**  
Won first prize in the National Level Virus Healing Contest conducted as a part of Dhanus Tech fest
- Feb 2012 **Linux administration and bash scripting competition – Linux Guru, College of Engineering Kalloppara, Pathanamthitta.**  
Won first prize in the National Level Linux based Contest conducted as a part of Dhanus Tech fest
- Feb 2012 **Ethical Hacking Contest – Haxploit, Amrita Vishwa Vidyapeetham, Kollam.**  
Won first prize in the National Level Ethical Hacking Contest conducted as a part of Vidyut Tech fest
- Feb 2012 **Developing Software Bot Contest – Botomatic, Amrita Vishwa Vidyapeetham, Kollam.**  
Won first prize in the National Level Software Bot Developing Contest conducted as a part of Vidyut Tech fest
- Oct 2011 **Shell Scripting Contest – Tux of War, National Institute of Technology, Calicut.**  
Won first prize in the National Level Shell Scripting Contest conducted as a part of Tathva Tech fest
- Sep 2011 **Shell Scripting Contest – #!/bin/bash, Model Engineering College, Cochin.**  
Won first prize in the National Level Shell Scripting Contest conducted as a part of Excelmec Tech fest
- Feb 2011 **Paper Presentation Competition: Git Version Control System, Nehru College of Engineering and Research Centre, Thrissur.**  
Won first prize in the Paper Presentation Competition conducted as a part of Prayaana Tech fest

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## Talks and Workshops

- Feb 2014 **Programming in Ruby for fun and profit, National Institute of Technology, Calicut.**  
Led a workshop introducing ruby and its industry applications
- Jan 2014 **Ruby Programming Language, NSS College of Engineering, Palakkad.**  
Led a workshop in programming in Ruby

- Sep 2012 **Git Version Control System**, *MES College of Engineering, Kuttippuram, Malappuram.*  
Led a workshop on Git Version Control System
- Apr 2012 **Introduction to free software**, *MES College of Engineering, Kuttippuram, Malappuram.*  
Presented a talk on free software and package management in debian
- Jan 2012 **Free software and web technologies**, *NSS College of Engineering, Palakkad.*  
Presented a talk on free software and web technologies
- Jan 2012 **GNU/Linux Command line tools and Shell scripting**, *NSS College of Engineering, Palakkad.*  
Led a workshop on GNU/Linux command line tools and shell scripting
- Sep 2011 **Git Version Control System**, *NSS College of Engineering, Palakkad.*  
Led a workshop on Git Version Control System
- Aug 2011 **Fun with programming and introduction to Free Software**, *NSS College of Engineering, Palakkad.*  
Presented an introductory talk on free software and how to have fun with programming
- Jul 2011 **Fun with programming and introduction to Free Software**, *MES College of Engineering, Kuttippuram, Malappuram.*  
Presented an introductory talk on free software and how to have fun with programming