Ershad Kunnakkadan

Résumé

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Technical skills

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

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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 and terraformed the AWS infrastructure, tuned the performance of the application and 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**
  Brainstormed and built various engagement tools including a new ideation tool.

- **Data migration**
  Helped move 100+ clients from their individual Rails apps to the latest SaaS version of EngagementHQ.

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, India.

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.

Security Bounty

○ **GitHub** – https://bounty.github.com/researchers/ershad.html
Found a security vulnerability in GitHub Gist.

○ **Prezi.com** – https://prezi.com/bugbounty/whitehats
Found a security vulnerability which exposed title of presentations in database.

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.

Blogs

○ **BigBinary Blog** – https://blog.bigbinary.com/authors/ershad
Wrote technical posts on Ruby on Rails and DevOps.

○ **Personal Blog** – http://blog.ershadk.com

Pet Projects

○ **SaveCloudCost** https://savecloudcost.com
Work-in-progress side venture to help companies cut down their infrastructure costs.

○ **TalentSpace**
Founded a hacker school and taught Ruby on Rails to 6 students over a span of 2
months.

○ **QuizGrid** – https://quizgrid.com (Terminated)
A Social network based on quiz.

○ **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.

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 Kallooppara, Pathanamthitta*.
Won first prize in the National Level Virus Healing Contest conducted as a part of Dhanus Tech fest

Feb 2012 **Linux administation and bash scripting competition – Linux Guru**, *College of Engineering Kallooppara, 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 Verson 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

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