Vaibhavraj Roham

SR. PRODUCT ENGINEER · FULLSTACK DEVELOPER · LARAVEL INDIA SPEAKER

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"In real open source, you have the right to control your own destiny."

Education

Sanjivani College of Engineering (Savitribai Phule Pune University)   *Kopargaon, Maharashtra*

B.E IN COMPUTER ENGINEERING   *Aug. 2012 - June. 2016*

- Project **Smart Farm Using Wireless Sensors Network** awarded as **Best project of the year 2016**.
- Published research paper on project **Smart Farm Using Wireless Sensors Networks** in IJCA Journal.
- Runner-up in **WEB-WRANGLE** Web Designing and Programming contest.
- Best performer in **Summer Training & Internship Program - 2014**, organized by **Network Bulls, Delhi**.
- Guided team of 10 juniors for Live Project **Campus Connect** sponsored **Techathon Networks**.
- Attended training and hands-on for **Cloud Computing**, conducted by Technophilia Systems.
- Technical presentation on **SNORT - Network Intrusion Detection & Prevention System**.

Skills

Programming	PHP, Node.JS, JavaScript, C/C++, JAVA, LaTeX
Web	Laravel 5+, Express, VueJS, AngularJS, HTML5, LESS, SASS, Webpack
Mobile	Ionic 2, Native Android(Basics)
Database	MySQL, MongoDB in NoSQL
Cloud Techs	AWS, EBS, EC2, S3, Route 53, RDS, Lambda, CloudFront, Auto Scaling
IOT/Hardware	BeagleBone Black, XBee radio modules, Amazon Alexa, Arduino
Languages	English, Hindi, Marathi

Experience

MYVIZO   *Thane, Maharashtra - India*

SENIOR PRODUCT ENGINEER (PART OF BUSINESS STRATEGY & INNOVATIONS)   *Jun. 2016 - PRESENT*

- Implemented RESTful API server for car rental booking application(CARPLAT in Google Play).
- Built and deployed overall service infrastructure utilizing Docker container, CircleCI, and several AWS stack(Including EC2, ECS, Route 53, S3, CloudFront, RDS, ElastiCache, IAM), focusing on high-availability, fault tolerance, and auto-scaling.
- Developed an easy-to-use Payment module which connects to major PG(Payment Gateway) companies in Korea.

Extracurricular Activity

B10S (B1t 0n the Security, Underground hacker team)   *S.Korea*

CORE MEMBER   *Nov. 2011 - PRESENT*

- Gained expertise in penetration testing areas, especially targeted on web application and software.
- Participated on a lot of hacking competition and won a good award.
- Held several hacking competitions non-profit, just for fun.

WiseGuys (Hacking & Security research group)   *S.Korea*

MEMBER   *Jun. 2012 - PRESENT*

- Gained expertise in hardware hacking areas from penetration testing on several devices including wireless router, smartphone, CCTV and set-top box.
- Trained wannabe hacker about hacking technique from basic to advanced and ethics for white hackers by hosting annual Hacking Camp.

PoApper (Developers' Network of POSTECH)   *Pohang, S.Korea*

CORE MEMBER & PRESIDENT AT 2013   *Jun. 2010 - Jun. 2017*

- Reformed the society focusing on software engineering vand building network on and off campus.
- Proposed various marketing and network activities to raise awareness.

PLUS (Laboratory for UNIX Security in POSTECH) *Pohang, S.Korea*

Member *Sep. 2010 - Oct. 2011*

- Gained expertise in hacking & security areas, especially about internal of operating system based on UNIX and several exploit techniques.
- Participated on several hacking competition and won a good award.
- Conducted periodic security checks on overall IT system as a member of POSTECH CERT.
- Conducted penetration testing commissioned by national agency and corporation.

MSSA (Management Strategy Club of POSTECH) *Pohang, S.Korea*

Member *Sep. 2013 - Jun. 2017*

- Gained knowledge about several business field like Management, Strategy, Financial and marketing from group study.
- Gained expertise in business strategy areas and inisght for various industry from weekly industry analysis session.

Honors & Awards

International

2017	**Finalist**, DEFCON 25th CTF Hacking Competition World Final	*Las Vegas, U.S.A*
2014	**Finalist**, DEFCON 22nd CTF Hacking Competition World Final	*Las Vegas, U.S.A*
2013	**Finalist**, DEFCON 21st CTF Hacking Competition World Final	*Las Vegas, U.S.A*
2011	**Finalist**, DEFCON 19th CTF Hacking Competition World Final	*Las Vegas, U.S.A*
2012	**6th Place**, SECUINSIDE Hacking Competition World Final	*Seoul, S.Korea*

Domestic

2015	**3rd Place**, WITHCON Hacking Competition Final	*Seoul, S.Korea*
2013	**Silver Prize**, KISA HDCON Hacking Competition Final	*Seoul, S.Korea*
2013	**2nd Award**, HUST Hacking Festival	*S.Korea*
2010	**3rd Award**, HUST Hacking Festival	*S.Korea*
2012	**3rd Award**, Holyshield 3rd Hacking Festival	*S.Korea*
2011	**2nd Award**, Holyshield 3rd Hacking Festival	*S.Korea*
2011	**5th Place**, PADOCON Hacking Competition Final	*Seoul, S.Korea*

Presentation

6th CodeEngn (Reverse Engineering Conference) *Seoul, S.Korea*

Presenter for <DEFCON 20th : The way to go to Las Vegas> *Jul. 2012*

- Introduced CTF(Capture the Flag) hacking competition and advanced techniques and strategy for CTF

6th Hacking Camp - S.Korea *S.Korea*

Presenter for <Metasploit 101> *Sep. 2012*

- Introduced basic procedure for penetration testing and how to use Metasploit

Writing

A Guide for Developers in Start-up *Facebook Page*

Founder & Writer *Jan. 2015 - PRESENT*

- Drafted daily news for developers in Korea about IT technologies, issues about start-up.

AhnLab *S.Korea*

Undergraduate Student Reporter *Oct. 2012 - Jul. 2013*

- Drafted reports about IT trends and Security issues on AhnLab Company magazine.

Program Committees

2016	**Problem Writer**, 2016 CODEGATE Hacking Competition World Final	*S.Korea*
2013	**Organizer & Co-director**, 1st POSTECH Hackathon	*S.Korea*
2012	**Staff**, 7th Hacking Camp	*S.Korea*
2012	**Problem Writer**, 1st Hoseo University Teenager Hacking Competition	*S.Korea*
2012	**Staff & Problem Writer**, JFF(Just for Fun) Hacking Competition	*S.Korea*