



Vaibhavraj Roham

Sr. PRODUCT ENGINEER · FULLSTACK DEVELOPER · LARAVELLIVE INDIA SPEAKER

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

Experience

MYVIZO

Thane, Maharashtra - India

SENIOR PRODUCT ENGINEER (PART OF BUSINESS STRATEGY & INNOVATIONS)

Jun. 2016 - PRESENT

- Reporting directly to co-founders.
- Designed and developed an flagship product from scratch called **Automated Video Interviews (AVI)** for B2B business clients, which used for campus recruitment and lateral hiring.
- Designed and developed an product from scratch called, **Live Interviews** for B2B business clients, featuring multi user multi location with scorecard, text chat and realtime file sharing .
- Implemented **RESTful API** for MYVIZO Internal Application which was built with Ionic 2 for official use.
- Implemented **high-availability** API for candidate interviewing Android and IOS applications.
- Built and deployed overall services using **Nginx, Apache, Shippable**, and several AWS stack(**Including EC2, Elastic Beanstalk, Route 53, S3, CloudFront, RDS, Cognito, IAM, Certificate Manager**), focusing on high-availability, fault tolerance, and auto-scaling.
- Implemented **OAuth2 Server** to authenticate internal official services using single sign-on and to integrate with Amazon Alexa Skills.
- Automated daily tasks with **Amazon Alexa** to provide instant statistics, reports and backups.
- As a best practice, followed **Test Driven Development** approach in feature development, for production level error logging and monitoring used **Sentry** as a service.
- Extensively used **Gitlab** for project repository, daily code reviews, CI/CD using gitlab runners, issue boards, service desk to handle user support requests etc.

INGENIO Technologies

Pune, Maharashtra - India

PROJECT INTERN

June 2014 - May 2015

- Designed and developed **Skill+** project as project intern.
- Managed team of 5 members, in technology stack extensively Codelgniter and AWS EC2 services were used.
- Project was focused on **bridging the gap between rural students and industries**, as rural students have potential but they get very less guidance and industry exposure comparatively tier-1 - tier-2 cities.
- Used **Vector-Space Model** algorithm to rank the professionals according to matching key skills of candidate.

Technical 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
Other	Git, DevOps, Nginx, Apache, WebRTC, RecordRTC

Extracurricular Activity

LaravelLive - 2018 Speaker (Laravel India Conference)

New Delhi, laravellive.in

BUILD NATURAL VOICE EXPERIENCE WITH LARAVEL APPLICATION & AMAZON ALEXA

17 March, 2018

- LaravelLive's goal is to bring together bright minds to give talks that are idea-focused, and on a wide range of subjects in PHP Laravel, to foster learning, inspiration and provoke conversations that matter.
- LaravelLive brings top notch developers of the ecosystem together, to inspire new talent around the country to learn and contribute to the open source.
- I will be speaking on, **Secure Integration of Laravel Application and Amazon Alexa to automate daily tasks** along with 5 more inspiring speakers in this 1 day event.
- Designed **LaravelLive - 2018** event website(<http://laravellive.in>) using **Laravel 5.5 and TailwindCSS**.

Vue Dropzone

[@rowanwins/vue-dropzone](#)

OPEN SOURCE - PACKAGE MAINTAINER, ACTIVE CONTRIBUTOR

Author - Rowan Winsemius

- A Vue.js component for Dropzone.js - a drag'n'drop file uploads utility with image previews.
- Redesigned complete component to support Vue2 with Author.
- Contributed additional feature **Direct upload to AWS S3 from browser using pre-signed url**, which is not available with core package of dropzone.js.
- Focusing on bug fixing, resolving user queries on github, review PRs, improving documentation and publishing & maintaining updated versions on npm.

Vue Circle Progress

[@vrajroham/vue-circle-progress](#)

OPEN SOURCE - AUTHOR

Author - Self

- A Vue.js component to draw **animated circular progress bars**.
- Wrapper is designed around the jQuery library to effectively use with SPA in one of the product dashboard at MYVIZO.
- Focusing on bug fixing, resolving user queries on github, review PRs, publishing and maintaining updated versions on npm.

Vue Simple Lightbox

[@vrajroham/vue-simple-lightbox](#)

OPEN SOURCE - AUTHOR

Author - Self

- A Vue.js component for **touch-friendly image lightbox for mobile and desktop** with simple-lightbox.
- Wrapper is designed around the simple-lightbox core javascript package, which exposes underlying core API for customization.
- Focusing on bug fixing, resolving user queries on github, review PRs, publishing and maintaining updated versions on npm.

Projects

Ondemand Video Interviews and Live Interviews

[myvizo.com](#)

MYVIZO

- The product enables hirers to Judge Personality, Competence and Culture of a pool of candidates without hassle of coordination and personal time allocation. It helps in prioritizing and picking best fit candidates.
- This tool allows hirers to step back and relax, when a pool of candidates is simultaneously giving answers to certain preset questions for an opening. item Responsible for complete **Architecture and Technology Stack** implementation, followed TDD approach for development.
- Product technical stack consist **Laravel, Vue.js, WebRTC and RecordRTC, Node.js** for implementation, hosted in AWS Auto-scaling, fault tolerant, high availability, secure on multi-region environment.
- Implemented compression and transcoding algorithm to compress high volume of videos using **FFMPEG and AVCONV**, without compromising video quality and availability.
- Implemented **Live Interviews** module which enables multiple HR users to have a face to face interview with inbuilt score-pad, live chat and realtime file sharing features
- Above implementation completely utilizes **WebRTC** feature of modern browsers, and importantly WITHOUT using Flash support.
- Implemented API's for Android and IOS applications for same product.
- Involved in daily code reviews setting DevOps tasks like CI/CD using **Gitlab Runners and Shippable** for automated deployment.
- Developed **Amazon Alexa Skills** to provide voice powered features to on-boarded corporates and integrated developed skills securely with existing product using **OAuth2 Server**.

Internal Operationl Process Automation and ATS

[myvizo.com](#)

MYVIZO

- Automated organizations internal operational process with various features like employee management, position management, payment tracker etc.
- Product technical stack consist **Laravel, Vue.js** for implementation and hosted on AWS EC2 instance.
- Implemented API's for internal application built using Ionic2.
- Developed **Amazon Alexa Skills** to provide voice powered features to co-founders and administrators to automate daily task, such as taking backup, daily summary/statistics, listening fullstack radio etc.
- Implemented **Applicant Tracking System (ATS)** to track and maintain candidate records seamlessly who have ever applied for any position on site or involved in any recruitment process.

Smart Farm Using Wireless Sensors Network

[Computer Engineering](#)

SANJIVANI COLLEGE OF ENGINEERING

- Being from farmers family I was knowing and undergone the hurtles which costs more and can be minimized by technology solution, so tried to implement this innovative concept.
- Project model helps farmers to monitor their polyhouse/greenhouse temperature, CO2 level and humidity.
- Architecture consists of **ZIGBEE Network Topology, Lightweight Pythong server running on BeagleBone Black and batteries**
- Implemented **fault tolerant, multipath mesh network topology** of xbee devices mounted with various sensor modules and continuously transmitting data to coordinator XBEE node.
- Continuous transmitted data is dumped in live database by light weight server which is served realtime to farmer on his mobile application.
- Mobile application is developed in **Ionic framework in native/regional language**, from application remote devices/sensors like fans, air flow curtains can be controlled.
- From precise location of farm, exact weather conditions are displayed to farmers which are fetched from weather.com realtime.
- Presented and published research paper in **International Conference** as mentioned in publications section, later applied for patent.

Education

Sanjivani College of Engineering (Savitribai Phule Pune University)

Kopergaon, 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**.

Sanjivani's K. B. P Polytechnic College (Mumbai University)

Kopergaon, Maharashtra

DIPLOMA IN COMPUTER TECHNOLOGY

May. 2009 - June. 2012

- Project **Departmental Online Examination** awarded as **Best project of the year 2012**.
- Vice-president of **Association of Computer Technology Students** for academic year 2012-2012.
- Organized various events such as Programming Contests, Code Debugging Contest etc. for students.

Publication

INTERNATIONAL JOURNAL

Smart Farm Using Wireless Sensor Network

Publisher - IJCA

Vaibhavraj Roham, Prasad Rupnar, Ganesh Pawar and Abhijeet Patil

Dec. 2015

International Journal of Computer Applications (0975 – 8887)

National Conference on Advances in Computing (NCAC 2015)

<http://www.ijcaonline.org/proceedings/ncac2015/number6/23394-5062>

New Approach of Connecting Learners to Faculty and to Professionals Seeking Development

Publisher - IJATE

Vaibhavraj Roham, Shraddha Nikumbh, Samiksha Pawar, Durgesh Patkari, Vaibhav Madaan

March. 2015

International Journal of Advanced Technology in Engineering and Science (2348 - 7550)

Volume No 03, Special Issue No. 01, Page No. 1211-1216

<http://ijates.com/currentissue.php?id=68>

Personal Details

Date of Birth	April 12, 1992
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References

REFERENCES WILL BE FURNISHED ON REQUEST