



Vaibhavraj Roham

BACKEND ENGINEER · FULLSTACK DEVELOPER · SPEAKER · RIDER

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

Experience

ColorElephant LDA

Remote

SENIOR BACKEND ENGINEER (REMOTE)

April, 2018 - Present

- Helping large scaled multi-million dollar e-commerce company developing critical business services.
- Worked on custom integration of multiple payment methods like **ApplePay, AmazonPay, PayuOS, Sella, BitPay, PayPal, Stripe** (3DS and SCA complied) for 30+ countries with multiple application, extensively in Laravel and Vue.
- Occasionally represent ColorElephant and speak at local Laravel meetups in Mumbai and Pune on tools and workflows using in ongoing projects.
- Worked on developing large scale systems with high architectural and design considerations.
- Designed frontend agnostic base application and private packages with Laravel, implementing features which are repeated in multiple projects which are leveraged using APIs by mobile apps and frontend apps.
- Worked on designing one of the complex multi type API integration in single application, working as middleware and leveraged by 3rd party vendors using SOAP, FTP, XML, REST APIs.

MYVIZO

Thane, Maharashtra - India

SENIOR PRODUCT ENGINEER (PART OF BUSINESS STRATEGY & INNOVATIONS)

Jun. 2016 - March 2018

- 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 make emergency backups.
- As a best practice, followed **Test Driven Development** approach in feature development.
- Extensively used **Gitlab** for project repository, daily code reviews, CI/CD using gitlab runners, issue boards, service desk to handle user support requests etc.

Technical Skills

Programming	PHP, JavaScript, C/C++, LaTeX, React(Basic)
Web/Frameworks	Laravel, Vue, HTML5, Tailwind CSS, Livewire
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, Nginx, WebRTC, RecordRTC, Amazon Alexa Custom Skills

Extracurricular

Speaking at conferences and local meetups

- 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 was a speaker at **LaravelLive 2018 Conference** presenting, **Secure Integration of Laravel Application and Amazon Alexa to automate daily tasks** along with 5 more inspiring speakers.
- Volenteerly designed **LaravelLive - 2018** event site using **Laravel, Vue and TailwindCSS**.
- Occasionally speaking at local Laravel meetups.

Open source contributions and pet projects

@vrajroham

OPEN SOURCE - PACKAGE MAINTAINER, ACTIVE CONTRIBUTOR

- **Vue2 Dropzone**, a Vue component for Dropzone.js - a drag'n'drop file uploads utility with image previews.
- Redesigned complete component to support Vue2.
- Contributed additional feature **Direct upload to AWS S3 from browser using pre-signed url**.
- Created bunch of PHP, Laravel and Vue open source libraries and packages like **Laravel BitPay Client**, **vue-circle-progress**, **vue-simple-lightbox**, **Laravel Flock Notification Channel** etc., which can be viewed at [github@vrajroham](https://github.com/vrajroham).
- Focusing on bug fixing, helping users resolving issues on github and gitlab.
- Working on **MyRiderhood** personal ambitious project in free time. MyRiderhood is an web and mobile app which helps riding community and rider groups to plan and organize their event and much more interesting stuff. This application is being developed in Laravel and Vue SPA

Projects

MYRIDERHOOD

myriderhood.com

PERSONAL PRODUCT

- By profession I'm a developer and by passion I'm Rider. I found that there is a need of dedicated tool for riders community and MyRiderhood was born. MyRiderhood in an social app for riders community.
- MyRiderhood allows riders to join the clubs from nearby locality, track their rides, publish the video logs & blog posts and much more.
- MyRiderhood has some paid InApp features which enables club owners to plan routes ahead of their journey along with other riders. Same routes can be downloaded in each riders mobile app once they start their journey.
- This is my personal side project on which I work in my free time and hoping to launch it in next 6 months in 4 countries, it's still in development phase.

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 Operational 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 hurdles 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 Python 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)

B.E IN COMPUTER ENGINEERING

- Project **Smart Farm Using Wireless Sensors Network** awarded as **Best project of academic year**.
- Published research paper on project **Smart Farm Using Wireless Sensors Networks** in IJCA Journal.

Kopergaon, Maharashtra

Aug. 2012 - June. 2016

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

DIPLOMA IN COMPUTER TECHNOLOGY

- Project **Departmental Online Examination** awarded as **Best project of academic**.
- Vice-president of **Association of Computer Technology Students** for academic year 2012-2012.

Kopergaon, Maharashtra

May. 2009 - June. 2012

Publication

INTERNATIONAL JOURNAL

Smart Farm Using Wireless Sensor Network

Vaibhavraj Roham, Prasad Rupnar, Ganesh Pawar and Abhijeet Patil

International Journal of Computer Applications (0975 – 8887)

National Conference on Advances in Computing (NCAC 2015)

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

Publisher - IJCA

Dec. 2015

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

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

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>

Publisher - IJATE

March. 2015

Personal Details

Date of Birth April 12, 1992

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References

REFERENCES WILL BE FURNISHED ON REQUEST