**Abhinava Sanyal**

Fullstack developer ,Full time Freelancer and Maker ,Ex-Tata Consultancy Services Innovation Lab

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**Experience Summary**

* 1.7 years of IT experience and 2.5 years of freelancing in Web Development and software engineering using HTML5,CSS3 and JavaScript ( including libraries and frameworks like jQuery , React Js , Node Js , Express Js , Mongoose( MongoDB ) , Redis and many other npm modules ) . Along with these technologies , I also have experience in making RPC s with RabbitMQ( Message queue ) , devops with AWS services like EC2 , route56 , etc . continuous integration & deployment .
* Having hands on experience in development and unit testing both backend and front end of an application
* Have worked on several personal projects and built POC s using cutting edge JavaScript design patterns, teqniques and libraries.
* Apart from software engineering I am a self taught electronics hobbyst . I have created numerous Internet Of Things systems and other embedded applications using open source hardware and software . Some mentionable projects would be ... gesture controlled smart home system using wearable smart watch ( This is my own idea nd execution under 27 USd budget) , raspberry Pi based Amazon Echo integrated with home automation system , and many more .

**Qualification**

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| Degree and Date | Institute | Specialization |
| BE, August 2016 | Heritage Institute of Technology | Electronics And Communications |

**Experience**

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| Organization | Designation | Duration |
| Saslabs  Tata Consultancy Services  Vahan | Backend Node developer  Full Stack Developer (Innovations lab)  Software engineer | Dec 2016 to july 2018  August 2018 to October 2018 |

**Technologies**

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| Operating System | Languages | Tools |
| 1) Windows 10  2) Linux | HTML, CSS, JQuery , ReactJS, JavaScript ,Node Js , Java , C , arduino , embeded C | Visual Studio Code  Visual Studio |

**Assignments**

The details of the assignments that I have handled are listed here. This list contains both *self and assigned* projects that I have worked on. This is not an exclusive list but only the relevant projects I took pride developing and enjoyed their success with Client .

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| Project | **Stearns Mobile Phase 2** |
| Customer | External ( <https://stearns.com/>) |
| Employer | Stearns Bank |
| Period | August 2017 – January 2018 |
| Description | Building an enterprise scale loan and mortgage application from scratch.  Two factor Authentication , Group Chat and Image Processing are few of the features required to be implemented |
| Role | Developer |
| Responsibilities | * Develop the code for key dates and milestones section of the app. * Research alternative solutions. * Daily status call with customer. |
| Skills | Xamarin |
| Achievements | Completed all the tasks before deadline without any issues. |

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| Project | **Chatter** |
| Employer | Self |
| Description | A full scale end to end Social network with group chat and private chat functionality.  Friend request, Social logins, User Presence, User Profiles, News feed and other features. |
| Skills | JQuery, HTML, CSS3,ejs,ejs-mate,Node Js,Express Js , Mongo DB,AWS S3 buckets |

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| Project | **iUse** |
| Customer | Digital Interactive(Internal) |
| Employer | TCS Interactive |
| Period | March 2017 –July 2017 |
| Description | iUse is a code sharing platform for TCS interactive front end web developers. The platform required to host reusable UI components which can be shared , uploaded ,downloaded, rated, reviewed and commented. |
| Role | Node Js Developer |
| Responsibilities | * Developing the backend Node Js REST API from scratch * Architecting the database schema * Test Execution and weekly status meeting with project team * Taking care of the implementation activities. |
| Skills | Angular Js, Node Js , Mongo DB , Redis |
| Achievements | Received appreciations for my work |

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| Project | **YouTube clone** |
| Employee | Self (POC proof of concept ) |
| Description | It is a fully featured video streaming application which leverages the YouTube API to fetch YouTube videos . This POC was intended to play will the react library and all of its API. |
| Skills | React Js , Google Youtube API , Node Js, MongoDB , Redis |

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| Project | **AMEX Customer Management Portal** |
| Employee | American Express |
| Description | It is platform used internally by American Express to manage and process their credit card customers requests and querries . The two main users are the support agents and the end users of the credit crads . |
| Skills | React Js , Rabbit MQ , Node Js |

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| Project | **Vahan Backend** |
| Employee | Vahan ( [www.vahan.co](http://www.vahan.co/)) |
| Description | vahans backned is responsible for handling IO and communicate with the Machine learning workers that faces the users of the product. |
| Skills | Node Js , sequelize , Postgress , MongoDB , vanila javascript , rabbitMQ , Redis (datastructure server) . |