

Amit Kumar Singh

Full Stack Developer

Ranchi, Jharkhand

(+91) 82100-98916

amitsin6h@gmail.com

<https://www.linkedin.com/in/amitsin6h/>

<https://github.com/amitsin6h>

<https://stackoverflow.com/users/5892547/amitsin6h>

Self-taught computer programmer and love to do code contributions in open source projects. I have 2+ years work experience specializing in backend/infrastructure, web development and security. Interested in devising a better problem-solving method for challenging tasks, and learning new technologies and tools if the need arises.

Work Experience

Founder, Fullstack Developer Jan 2019 - Present

Feelin

V2.1.0 - V3.0.0

- Updated the complete UI/UX of the app using React Native, and other third-party libraries
- Updated the backend using Apollo, GraphQL, Express
- Designed the product website using MERN stack
- Implemented Redis caching technique
- Updated MongoDB schema for the product
- Built and deployed overall service infrastructure utilizing Docker containers.

V1.0.0 - 2.1.0

- Developed the complete UI/UX of the product using React Native and other third party libraries
- Designed the product website using HTML, CSS, and other javascript libraries.
- Implemented RESTful API server using Expressjs and Nodejs
- Implemented API request validation using JsonWebtoken
- Implemented API caching technique to handle requests
- Implemented Flynn PaaS to manage product on production
- Designed advance schema for the complete product
- Built and deployed overall service infrastructure utilizing Docker container, Flynn PaaS(Open Source focusing on high-availability, fault tolerance, and auto-scaling

Software Engineer Intern Sep 2018 - Aug 2019

cloudyBoss

- Cloud programming (both client and server-side) Application Programming Interfaces, Agile methodologies and UML, Object Oriented Programming, UI/UX design

Education

MBA, IT & Systems 2019 - 2021

IMS, Ranchi University

- Selected for "Business English for Young Professional Workshop" conducted by U.S Embassy

BBA, Marketing 2015 - 2018

Marwari College, Ranchi University

AISSE, Commerce 2013 - 2015

Central Academy, Bariatu

AISSE 2013

Army Public School, Ranchi

- Completed 2 years (2010-2012) in Army wing 3JH BN NCC Ranchi as Lance Corporal/ Corporal.

Tech Articles

- **C#Corner:**<https://www.c-sharpcorner.com/members/amit-singh262/articles>
- **LinkedIn:**<https://www.linkedin.com/in/amitsin6h/detail/recent-activity/posts/>

Certifications

- 2019, cloudyBoss accreditation cBX82 Technology
- 2017, Red Hat Certified System Administrator
- 2017, Red Hat Certified Specialist in Ansible Automation
- 2016, Intro to Python for Data Science, DataCamp

Founder, Fullstack Developer

Jan 2018 - Nov 2018

Devconsole

- Developed the complete UI/UX of the product
- Designed the REST API server using Expressjs and Nodejs
- Implemented API request validation using
- Designed MongoDB schema for the complete product
- Built and deployed overall service infrastructure utilizing Docker container, Flynn PaaS

Research Intern

Jun 2018 - Jul 2018

LinuxWorld Informatics Pvt Ltd

- **SAAS(Software As A Service)** A one-click implementation was achieved which provided the clients Firefox browser and VLC media player software on their systems from DOCKERS running on the cloud server.
- **STAAS(Storage As A Service)**
 - Block Storage - In Block storage we used ISCSI Protocol to provide clients with block storage available at the cloud to be used at the client system.
 - Object Storage - In Object storage, using NFS and SSHFS Protocol to provide user fixed storage overcloud.
- **CAAS(Container As A Service)** A one-click launch, starting, stopping and removing and providing the terminal of docker container was achieved.
- **PAAS(Platform As A Service)** A one-click launch of a python platform was provided for clients where they can code as they wish.
- **Hadoop** A CGI based web portal was developed for a one-click setup of hdfs and map-reduce cluster depending on the requirements of the client per se, the size of the cluster required, and the number of processors required for the big data analysis.
- **Machine Learning** The web service for the client was secured by Face recognition using machine learning and also included parts of speech recognition using python modules. IMAGE PROCESSING constitutes a large portion of the security aspect of the service.
- **Ansible** The entire configuration requirement of the project was met by the creation of ANSIBLE playbooks for both the client and the cloud.
- **Dockers** For the safe and secure single client-based service production, most of the services were provided through dockers only

Hackathons & Achievements

- 2020, **eLife Innovation Leader**, eLife
- 2019, **Intel Edge AI Scholar**, Udacity
- 2019, **Y Combinator Startup School**
- 2018, **OpenTechNights Winner**, FOSSASIA
- 2017, **Quality Assurance Contributor**, Mozilla
- 2017, **First**, Hackathon De Corps
- 2016, **Second**, UTKRAANTI'16 with Padarth'16 IIT Bombay
- 2016, **Associate Trainer**, App Development Training for Nepalese
- 2015, **Top 10**, App Hackathon (Gov. of Jharkhand)

Skills

- **Front-End:** HTML5, CSS3, JS, JQuery, Bootstrap, AngularJS, ReactJS, React Native, Redux
- **Back-End:** NodeJS, GraphQL, Apollo, Python, php
- **Web Server:** Nginx, Apache
- **Mobile App:** React-Native, Android Studio, Ionic
- **Desktop App:** NW.js
- **Database:** NoSql, MySQL
- **Web Framework:** MERN Stack, MEAN Stack, Django, Flask, LAMP
- **Programming Lang.:** Python, JavaScript, php
- **Version Control Tools:** Git, Bitbucket
- **PaaS:** CloudJiffy, Dokku, Flynn
- **DevOps:** Ansible, Splunk
- **Big Data:** Hadoop, Hive, Spark, Splunk
- **Data Analysis:** Numpy, Pandas, Matplotlib, Seaborn, Plottly
- **Others:** Web Security, OWASP TOP 10, Networking, Web Scraping, Linux, Quality Assurance, Data Mining

Projects

Feelin - Share what you feel. The app is built using react native and backend using node js, expressjs, MongoDB and some other libraries. The reason [why I built the app](#).

AI Monkey - AI-based web browser which consults users based on their search query. This project was shortlisted for [eLife Innovation Leader 2020](#).

MozCode Paste - This project aims to paste code, share code and get the code reviewed. This project was shortlisted for [Mozilla Pulse](#).

Digital Marketing Intern

Genesis Digisec

Jan 2018 - Feb 2018

- Developed complete SEO and Google analytics for a wordpress website, also worked in UI/UX of the website
- Suggested online marketing strategy for the promotion of the website

Jr. Researcher

Cyber Peace Foundation

Feb 2017 - Aug 2017

- Worked in Indian Honeynet Project, web and application related projects
- Developed windows and Linux software using NodeWebkit

Software Developer

ResultsTrack Pvt. Ltd

Nov 2016 - Feb 2017

- Involved in Data Visualization and Data Analysis projects, along with some websites and web application projects
- Created an android app to collect survey in offline mode and automatically gets updated whenever the internet was connected

Intern

Nathcorp Inc

Aug 2016 - Nov 2016

- Involved in Data Visualization and Data Analysis projects and worked in dynamic graphs and maps using php and third party javascript library

Volunteer

Open-Source Contributor

GirlScript Summer of Code [#Pull Request Merged](#)

- MEVN CLI: A CLI tool for getting started with the MEVN stack. It offers a super-simple boilerplate template and additional utilities for building a MEVN stack-based web app.

Code Contributor [#Pull Request Merged](#)

PublicLab

- Code contribution for improving the PublicLab websites and its other projects for the community .

Code Contributor [#Pull Request Merged](#)

PyCon India 2017

- Involved with the web development team for fixing the web related issues for the PyCon India 2017 website.

Code Contributor [#Pull Request Merged](#)

PyConf Hyderabad 2017

- Involved with the web development team for fixing the web related issues for the PyCon Hyd 2017 website.

Club Leader

HackClub

- Responsible for building a local community of developers in college and universities and organizing meet-ups.

Mozillian

Mozilla

- Event organizing for the community and creating FOSS Awareness. Built the Mozilla Jharkhand community website [#Pull Request Merged](#). [Quality Assurance contributor](#) from the Mozilla India team.

