

# ZAIN AFTAB

Software Developer



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## SOCIAL MEDIA



linkedin.com/in/zainaftab



github.com/zainaftab44

## PROFILE

Full stack software developer having experience of working on multiple technologies and want to use my knowledge and expertise in an environment that encourages and helps me to use my skills to the limit.

## EDUCATION

10.2015 - 07.2017

**PUCIT, University Of the Punjab**

M.Phil (Computer Science)

10.2011 - 07.2015

**PUCIT, University Of the Punjab**

B.S. (Computer Science)

## EXPERIENCE

02.2020 - present

**Contour Software**

Software Developer, Backend

- Developed new features and maintenance of existing ones.
- Managing the software build, release and deployment process.
- Integrated the system with Zapier for automation purposes.
- Performed ETL to migrate legacy system users to latest release.
- Peer code reviews.

10.2018 - 12.2019

**Bellstone Pvt Ltd**

Software Developer

- Developer backend in Nodejs and Frontend in HTML/CSS/JS Bootstrap.
- Explored various WebRTC packages to integrate within the system.
- Handled live file transfer using WebRTC Data channel.
- Developed Backend in Node.js, Express and MySQL.
- Integrated third party payment service
- Integrated mailgun for email sending to users for verification and notifications.

## TECHNICAL SKILLS

- ✓ PHP
- ✓ Node.js
- ✓ Zend Framework
- ✓ MongoDB
- ✓ Expressjs
- ✓ Docker
- ✓ Git

- ✓ Javascript
- ✓ Laravel
- ✓ MySQL
- ✓ Java
- ✓ MVC
- ✓ Linux
- ✓ SVN

# PROJECTS

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04.2019 - present

**Zurple/Torchx** - Contour Software

- Campaign management and updates.
- Integration with Zapier for possible automation smooth workflow.
- Analyzing and Performing ETL for migration of users with their data to newer version of the system.
- Investigated and maintained cron jobs for the system.
- Integration of third-party APIs
- Languages: PHP, Java & Node.js
- Database: MySQL
- Framework: Zend
- VCS: SVN

04.2019 - present

**SAPI** - Contour Software

- Integration and fixing issues of social networks integrations.
- Maintaining integration of social network and keeping up with the API levels.
- Worked on migrations for DB updates.
- Languages: PHP
- Database: MySQL
- Framework: Laravel
- VCS: Git

02.2020 - present

**PropertyPulse** - Contour Software

- Added Facebook Ads with customizable data for improved traffic response.
- Introduced features in the system for better user experience.
- Investigated and fixed issues faced by specific users.
- Updated custom made wordpress plugins.
- Languages: PHP
- Databases: MySQL
- Framework: Kohana and Wordpress
- VCS: SVN

02.2019 - 01.2020

**Trango.io** - BellStone

- Server-light file transfer service
- Developed system from ground up
- Added user management and rooms creation for WebRTC
- Investigated and evaluated performance of other WebRTC data transfer solutions.
- Achieved better performance than competitors by benchmarking performance and success ratios.
- Languages: Javascript, Nodejs
- Technology: WebRTC
- Tools: VS Code
- VCS: Git

09.2018 - 05.2019

**Automatic NoSQL to Relational Database Transformation with Dynamic Schema Mapping** - Thesis MPhil

- Languages: Node.js, Expressjs
- Databases: MongoDB, MySQL, PostgreSQL
- Tools: Talend Open Studio, VS Code
- VCS: Git

# PUBLICATION

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**Automatic NoSQL to Relational Database Transformation with Dynamic Schema Mapping**

July 2020

<https://www.hindawi.com/journals/sp/2020/8813350/>

- Proposed and evaluated an efficient method to transform a NoSQL database into a relational database with automated schema detection.
- Researched other state of the art tools and found the pros and cons of using them for ETL of NoSQL to SQL
- Used data distribution and logical partitioning of data for parallelizing the system for improved performance
- Tested the system in cloud environment and produced results.
- Created tool for generating datasets for performing benchmarking
- Benchmarked results with state-of-the-art tools.