Shreyash **Agarwal**

SOFTWARE ENGINEER

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Summary

I am a Software Engineer who finds comfort in a *nix environment and enjoys tweaking all parts of it. I love solving problems with different approaches and learning new technologies and tools if the need arises.

My strengths are my concepts in Object Orient Paradigm and ability in grasping programming languages, which I use for problem-solving. My interest lies in the field of computer vision and natural language processing.

I see myself contributing to building a better and smarter world.

Work Experience

Circles.Life   *Bangalore, India*
SOFTWARE ENGINEER   *August 2019 - Current*

- Developing modular crawler architecture and system for data ingestion from different sources. Used Python3 and MongoDB.
- Contributing to existing back-end micro-services written in Go and internal CMS dashboard in React.js.

Minance Technologies   *Bangalore, India*
SENIOR SOFTWARE ENGINEER   *November 2018 to July 2019*

- System architecture design and implementation for database, logic and API layers.
- Designed and developed infrastructure for ETL of real-time financial market data into S3 in a reliable manner.
- Developed several protected ephemeral web dashboards with ORM tools such as SQLAlchemy and Alembic for migrations.

                                                                                                            Bangalore, India
SOFTWARE ENGINEER   *April 2018 to October 2018*

- DevOps for back-end infrastructure with VPS, crontab, containerisation on Google Cloud Platform, Amazon Web Services and DigitalOcean, migration to serverless for public APIs.
- Developed the back-end infrastructure and API for the internal CMS system and contributed to front-end in React.js.

                                                                                                            Bangalore, India
JUNIOR SOFTWARE DEVELOPER   *October 2017 to March 2018*

- Developed desktop applications using Tkinter for internal use.
- Web crawling and scraping and modelling structured and unstructured data.
- Modularised and standardised existing codebase to increase productivity.

Thappad (OPUS Media LLP)   *Bangalore, India*
INTERN - APPLICATION DEVELOPER   *November 2015 to March 2016*

- Developed Hybrid Web Apps using Ionic Framework and AngularJS 1.0 and created plugins with Cordova for user interaction.

Skills

Programming Languages	Python, Go, C/C++, Bash, HTML5, CSS3, Javascript
Cloud Services	Amazon Web Services- Lambda, S3, API Gateway, CloudWatch, EC2
Tools	Mysql, Redis, MongoDB, Crontab, Git, Docker
Frameworks	Flask, Celery, Zappa, Scrapy, Selenium, Pandas, OpenCV3, SQLAlchemy, Alembic
Languages	English, Hindi

Education

M.S.Ramaiah Institute of Technology   *Bangalore, India*
B.E. IN INFORMATION SCIENCE AND ENGINEERING   *Aug 2012 - Aug 2017*

- CGPA : 7.89/10 (Graduated with Honours)

Delhi Public School, Ruby Park   *Kolkata, India*
A.I.S.S.C.E (CBSE)   *2012*

- Computer Science, English, Physics, Chemistry, Mathematics   Percentage : 87.4%

Delhi Public School, Ruby Park   *Kolkata, India*
A.I.S.S.E (CBSE)   *2010*

- English, Mathematics, Computer Science, Science, Hindi, Social Studies   CGPA : 9.60