

## EMPLOYMENT

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Software Engineer	HackerRank	July 2015 - June 2017
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## CodePair

- Worked on CodePair, Real Time Collaborative editor for taking interviews.
- Created real time code editing and code running servers using NodeJS, GO, WebSockets.
- Scaled applications to millions of users with distributed infrastructure also WebRTC Infra.

## Code Completion Servers

- Built extremely fast code completion servers which handles more than 100 million requests in a month.
- Has time response of average 50ms with geographically located servers. Extremely low latency for seamless application.

## Web Based IDE and Collaborative Algorithms

- Worked on editor that can act as IDE for writing code in browser.
- Also uses collaborative algorithms like OT, CRDT's for synchronization of code to clients.
- Docker for managing and launching multiple editor instances for users

Tech Stack : NodeJS, Python, GO, MongoDB, MySQL, RethinkDB, Redis, Nginx

## EDUCATION

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Kurukshetra, India	Kurukshetra University	2011 - 2015
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- Bachelor of Technology in Computer Science Engineering
- Undergraduate Coursework: Operating Systems; Databases; Algorithms; Programming Languages; Comp. Architecture; Comp. Networking, Artificial Intelligence
- Did more than 20+ MOOC Courses online like Machine Learning, Parallel Programming, Cryptography, AI and Discrete Optimization and Algorithms on [coursera.org](https://www.coursera.org) and [edx.org](https://www.edx.org) more info on <http://abhishek.it>

## TECHNICAL EXPERIENCE

## Projects

- **Cloudtub.com** (2013). Cloud storage application created using PHP, MongoDB, MySQL, AngularJS, Laravel. Demo at <http://storage.cloudtub.com>
- **Dynofy.com** (2014). Dynofy is powerful web application that monitors websites and generate uptime reports, Built using Python, MongoDB, Flask, Phonegap ( For mobile application ). It has API centric architecture which is used by both API, Mobile and Web Application for Consistency. Demo at <https://dynofy.com>
- **Social Crawler** (2015). Web Crawler that crawls website and find all the social share of links. It helps webmaster find their popular post and beat competition. Available on Github.

## TECH CONFERENCE PUBLIC SPEAKING

- **ScaleConf 2017 (CapeTown)** - Better Autocomplete, Scaling code completion for web based editor to more than 2 million users.
- **Great Indian Developer Summit 2017 (IISC, Bangalore)** - Talked about Code completion internals and how to make good code completion plugins and rank them.
- **Great Indian Developer Summit (IISC, Bangalore)** - Gave a talk on Collaborative Editing and How to scale it online with modern web technologies.

## Languages and Technologies

- Python, GO, Javascript, PHP, C++, SQL
- NodeJS, ExpressJS, Flask, AngularJS, React, Django
- MySQL, MongoDB, Redis, RethinkDB, Graph Databases
- HTTP, TCP, GIT, UNIX, AWS, Distributed Systems, Artificial Intelligence

## Public Profiles

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StackOverflow: <http://stackoverflow.com/users/1560806/abhishek>

Github: <https://github.com/abhishekgahlot>

Linkedin: <https://in.linkedin.com/in/abhishekit>

Codeforces: <http://codeforces.com/profile/abhishekgahlot>