CHIRAG MAHESHWARI

Software Engineer @ Rivigo | GSoC '19 Mentor | GSoC '18 & '17 Student | IIT Roorkee

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EXPERIENCE

Software Development Engineer 1
Rivigo Services Pvt. Ltd.

📅 June – Present   📍 Gurugram, India

- Working in Data Engineering team
- Writing ETL Jobs, processing large amounts of data using Apache Spark Languages: Scala, Java, Python

Software Developer
Bolo (Incanus Technologies Pvt. Ltd.)

📅 Aug 2018 – May 2019   📍 Bengaluru, India (Remote)

- One to one video call scheduling, connection via webRTC, custom TURN/STUN and signalling servers
- Feed Performance: database optimizations, caching using Redis
- Search Optimization: implemented both Postgres Full-Text Search and Elastic Search with support for Hindi characters
- Worked on transcoding videos to various formats on the go using AWS lambda and adaptive streaming using HLS protocol
- Various in-house tools to help teams in their daily tasks and managing servers on AWS stack, load balancing, scaling etc.

Google Summer of Code 2018 Participant
Amahi (Backend Developer)

📅 May – August 2018   📍 California, United States (Remote)

- Revamped the complete backend, Amahi Proxy Server and Amahi Anywhere File Server in Go Lang
- Migrated from HTTP/1.1 & SPDY/3.0 to HTTP/2 for connection between different servers
- Complete end to end implementation of Non-Admin User login, friending functionality for HDA and analytics dashboard for proxy server

Technology Summer Analyst
Citicorp Services India Limited

📅 May – July 2018   📍 Pune, India

- "Task Tracker" project to track and maintain all the projects going on in the department with different tasks in several sprints assigned to different resources. Designed and developed the complete solution from frontend to backend using JAVA Spring and bootstrap, jQuery etc.

Google Summer of Code 2017 Participant
Amahi (Android Developer)

📅 May – August 2017   📍 California, United States (Remote)

- Implemented new features to the Amahi Anywhere android app like file upload and delete; auto image upload on new photo capture using any camera app; chromecast support for casting audio, video and photos; new native android video player; status bar and lockscreen notifications for controlling audio playback; swipe gestures in video player for controlling brightness, volume and video position

Backend Developer
Vernacular.ai

📅 May – July 2017   📍 Bengaluru, India

- Designed and developed the complete backend platform from scratch based on micro-services architecture in Django and Node.JS
- Server setup, testing and deployment on AWS console with proper testing on Jenkins.

EDUCATION

Bachelor of Technology
Indian Institute of Technology Roorkee

📅 2015 – 2019   🎓 7.433 CGPA

- Joint Secretary – Mobile Development Group (2016 - 2019)
- Executive Member – SDS Labs (2017 - 2018)

Twelfth
The Aditya Birla Public School Khor (CBSE)

📅 2014   🎓 91.6%

Tenth
The Aditya Birla Public School Khor (CBSE)

📅 2012   🎓 10 CGPA

ACHIEVEMENTS

- Winner at Panasonic Mobivation 2016, Cash prize of Rs. 1.4 Lac along with a smartphone
- Aditya Birla Pratibha Scholar (2016-2019)
- Finalist of Kaspersky Secur'It Cup 2018 international competition held in Budapest, Hungary
- Finalist of Kaspersky Cyber Security for the Next Generation 2017 international competition held in Prague, Czech Republic
- Secured 3rd position in 4th Inter IIT Tech Meet in Hardware Modelling category. Developed a prototype of automated robot toilet cleaner.

PROJECTS

Convocation App
- Official mobile application of IIT Roorkee for Annual Convocation Event. Worked on iOS app and backend.

Status Bar Notifier (Android Library)
- An Android library providing a new way to flash your toast notifications in status bar.

Appetizer
- App that allows user to view mess menu, give feedback regarding meals and check-in or check-out themselves from the mess. Developed the complete backend for this project in Django.

108 Server | 108 Hackathon (IIT Madras)
- Online Server for handling 108 emergency requests. Developed complete backend on Node.JS with Mongo db and two native Android apps for driver and patient.

SKILLS

Java   Python   Django   Node.JS   Android
Go Lang   Swift   PHP   MySQL   PostgreSQL
HTML / CSS   JS / jQuery   Scala   Spark

ADDITIONAL COURSES

Design and Analysis of Algorithms
Database Management Systems   Economics
Fuzzy Set Theory and Fuzzy Systems