HARSHAD MULMULEY

402, Stylus Apartments, Balewadi, Pune   +91-8747955551   harshad.a.mulmuley@gmail.com

https://github.com/harshad91

PROFILE

Software Developer with over 5 years of experience in NodeJS, Python, Ruby and related frameworks. Strong believer of unit tests and quality code.

EDUCATION

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR — B.TECH COMPUTER SCIENCE AND ENGINEERING, BATCH 2013, CGPA 7.18

EXPERIENCE

SENIOR SOFTWARE ENGINEER, BROWSERSTACK INDIA, MUMBAI
JAN 2018-PRESENT

- Product: BrowserStack AppLive - A pioneer app-testing infrastructure with 2000+ Android and iOS devices.
  Key Highlights: An integral member of a team which manages and maintains the AppLive product end-to-end.
  Role:
    - FullStack engineer in a team of 6.
    - Ensuring team deliverables and product uptime on a day-to-day basis.
    - Co-ordinating with product and design to come up with viable technical solutions.
    - Writing detailed TechSpecs and figuring out independent sub-tasks.
    - Mentoring and Onboarding new hires.
    - Helping with org hiring initiatives.
    - Handling ops and production issues.
  Challenges:
    - Laying out the testing infra for a codebase which was hugely non-TDD. Ensured that the code coverage is met and maintained to 85%.
    - Reducing iOS device connect times from over 20 seconds to 6.
    - Formulating an official Onboarding process for new-hires. Was hugely important considering the plethora of components written in varying tech stacks.

  Tech Stack and Tools: JavaScript, NodeJS, Express, Ruby, Rails, Python, Redis, MySQL, BigQuery, Amplitude, GitHub, JIRA, Asana

SENIOR SOFTWARE ENGINEER, VELOTIO TECHNOLOGIES, PUNE
APR 2017-DEC 2018

- Project: Zylo - A SaaS optimisation platform with utilisation tracking.
  Key Highlights: All deliverables are expected to be of high quality with strict code reviews and an MVP delivered at the end of every sprint.
  Role: Backend engineer (NodeJS) in a remote team of 8. Also, performed peer code

reviews and participated in all the sprint activities.

Challenges: Diving into Node being from Python background was initially a challenge.

Tech Stack and Tools: JavaScript, NodeJS, Express, Swagger, PostgreSQL, VSCode, GitHub, JIRA

- Project: AirPR - A PR and content marketing analytics platform.
  Key Highlights: AirPR uses a high performant crawler which processes approximately 50M+ articles per day so all the code needs to be written taking in mind the cost.
  Role: Backed engineer (Python) on the crawler module in a remote team of 4.
  Challenges: Implemented a new crawler for medium articles which extracts information such as article tags, authors, social counts etc.
  Tech Stack and Tools: Python, Scrapy, Django, Celery, Redis, ElasticSearch, MySQL, AWS Lambda, Kinesis, S3, DynamoDB, GitHub, JIRA, PyCharm
  Accolades: Worked on performance improvement and profiling of the crawler which resulted in limiting the overall CPU units by 10%. This was a direct impact on costs and was appreciated for the same.

- Project: SafeAI Lumi - An email based personal assistant currently limited to scheduling meetings for the user
  Role: Engineering solutions with the core team and getting them delivered with a team of 3.
  Tech Stack: NodeJs, Python, flask, Rasa NLU, duckling, MySQL, botkit
  Challenges: Had never delved into bot development which involved a learning curve.

SOFTWARE ENGINEER, TALENTICA SOFTWARE, PUNE
JAN 2016-APR 2017

- Project: Development of a Python executable having image recognition capabilities.
  Key Highlights: Project was a high priority deliverable with a deadline of 3 months.
  Role: Was one of the python developers involved in all the dev sprints. Devised the core algorithm which later formed the base on which the product was built on. Continuously ensured that a MVP is delivered at the end of each sprint and also did the code review for the team keeping the PEP-8 guidelines in mind.
  Challenges: Understanding and implementing OpenCV concepts like image segmentation, morphology, statistics etc.
  Tech Stack and Tools: Python, OpenCV, GitHub, JIRA agile board
  Accolades: Efforts were appreciated personally by the client and was awarded the company wide spot award for the same.

- Project: REST API Development for the backend of an iOS app.
  Role: Developed CRUD and login/register API endpoints using Django with MongoDb as the database. Wrote test cases and documentation for the same. Used celery to manage a background task. Added error/info logging across all the endpoints
  Tech Stack and Tools: Django, Python, MongoDb, Celery, GitHub, JIRA agile board, Slack

ASSOCIATE TECHNICAL CONSULTANT, SONY INDIA, BANGALORE
AUG 2013-DEC 2016

- Project: Sony China Repair Parts Centre
  Role: Developed and handled change requests for various API endpoints in the repair parts procurement cycle consisting of purchase orders, sale orders, delivery and billing.
  Challenges: Co-ordinating with functional consultants so that a requirement was clear.
  Tech Stack and Tools: Django, Python, PostgreSQL GitHub, Excel

- Project: Sony China Support and Maintenance
  Role: Handled developments and change requests regularly for the Sony China client. Provided month end support whenever was needed.
  Tech Stack: Python, C

OPENSOURCE CONTRIBUTIONS

Project: Faucet OpenFlow Controller. It is a SDN based controller which can manage and monitor traffic in a network of OpenFlow enabled switches.
GitHub link: https://github.com/REANNZ/faucet
Contributions:

1. Developed a new watcher which continuously polls a switch each minute and dumps its flow table data onto a database located in the network. Also, laid the barebones of a generic api which can help push data into any NoSQL db.
   Tech Stack: Python, CouchDb
   PR link: https://github.com/REANNZ/faucet/pull/185

2. Developed a front-end web app which shows the realtime flow table data in each switch present in a network. Data was grabbed using the in-built API provided by CouchDb.
   Tech Stack: Javascript (D3.js, data tables.js, jquery), html, css
   PR link: https://github.com/onfsdn/faucet/pull/22

Challenges: Understanding the working of a complex SDN based project, adhering to the coding standards as followed and environment setup.

MISCELLANEOUS

1. Was a part of the team which won the first prize at the SDN hackathon.

2. Was adjudged as the Best Newcomer 2016 (H1) in Talentica Software.

3. Got the Extra mile award in Talentica for handling additional responsibilities voluntarily.

4. Hold a german level - A1 certificate.

5. Have attended the Agile Methodology training program and hold certificate for the same.

6. Am a SAP certified development associate.

7. Love reading, enjoy travelling and despise inactivity!