

MOHAMMAD ARAFATH

SOFTWARE DEVELOPMENT ENGINEER

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Profile

Three years of delivering quality software in diverse roles like backend, devops, and frontend. Extensive experience in CloudOps, E-commerce and Large Scale Crawling.

Skills

Versatile Engineer

Experience and balanced skills in web services and infrastructure in fast and intense environments. Emphasis on understanding customer use cases and quickly build prototypes.

Delivery Quality

Focus on code quality and intuitive usability/scale/operational issues. Use "Ship Fast and Iterate" methodology in building software to solve business needs.

Leadership & Collaboration

Self-starter with a passion for adapting and evangelizing new technologies. Track record of successfully executing across multiple teams and individual projects. Love to collaborate and have an aptitude for mentoring.

Technical

Java

AWS / web-services

HTML / CSS

Python

Linux

Bash / Shell Script

MySQL / PostgreSQL

Git

jQuery / Angular

Experience

Boomerang Commerce

Software Development Engineer I & II (Bangalore)

Jul 2014 - present

Started my career in Boomerang Commerce as an SDE I and got promoted within 1.5 years. Helped solve complex business problems in product pricing by working with analysts, building software solutions to make sense of massive amount of data and managing cloud operations for >85% of Boomerang Commerce

- **Large Scale Crawling** (Java, Python, Shell, AWS)
Built from ground up, a rapid crawl pipeline for one of the top e-commerce players in the US to handle >3 million crawls a day. This unlocked intraday pricing termed as a "Huge Milestone" for Boomerang. Coped with an aggressive deadline and a lot of ambiguity.
- **AWS Fleet Management Suite** (Python, Shell, AWS)
Managed 1200 AWS instances to address 15 million crawling requests a day, designed fleet management suite ground up. Came up with an innovative multi-alarm-integration feature for demand-based scaling and code bundled instances. Reduced fleet running, management costs by 50%, brought instance idle time down to zero.
- **Markdown Optimisation** (Java, R, AWS)
Built a horizontally scalable R-Engine for Boomerang's Markdown product. Designed end to end architecture and built from ground up. This halved the running time and built-in monitoring system made process transparent.
- **Price Intelligence Suite** (AngularJS, Java)
Built Price Intelligence Dashboard, one stop shop for all price performance and perception metrics. Built Boombar a nifty Chrome extension that our clients would use to compare competitor prices on client's product page itself. Described as "intuitive and insightful" by the CEO. Clients loved the product increasing the account conversion and exceed Q1 milestone.
- **Product Match Review Dashboard** (AngularJS, Java)
Replaced existing manual lookup process for checking product match rates, by driving adoption to Review Dashboard which helped the team to up the speed 3X and brought down manual touch points in the whole process down to zero.
- **Pricing Rules Builder** (AngularJS)
Made Boomerang Pricing Rules Builder more intuitive and responsive, thus driving more adoption and making onboarding any new client effortless.

Achievements

- My Random-Forest implementation in Java on Github was reused by many research scholars for their thesis. This project now has over 70+ stars and forks combined.
- Won Boomerang Hackathon'17 for coming up with an innovative neural-network trained for product matching.
- Deployed a 3D social network "Zoot" achieved 1100 WAUs, which was 92% of our College.
- Won Computer Security Project for coming up with an innovative chrome extension that would encrypt gmail communications and user can configure which encryption to use.

Education

Indian Institute of Technology - Hyderabad, Telangana
B.Tech in Computer Science with Minors in Entrepreneurship

2010-2014