

SUMMARY

An engineer at heart, passionate about emerging technological solutions and scaling products. A strong team player and an individual contributor on the lookout for a role that makes me a better engineer and value creator.

PROGRAMMING SKILLS

- **Languages:** Python, Java, C++, C#, Javascript, Elixir, Cache[akin to Python]
- **Databases:** HBase, MySQL, Postgres, MongoDB
- **Technologies:** Hadoop 2.0, Spark, Cascalog, Thrift, Kafka, Redis, AWS, Angular, Phoenix, GraphQL

EXPERIENCE

- **Epic Systems** Madison, WI
Software Engineer, Tech Lead Oct 2016 - Present
 - **UCL Transport:** Developed a new sync mechanism in **Cache** which enables incoming transactions to be synced between deployments effectively eliminating manual edits on 70k transactions/day in Kaiser's installation. Developed rollback, resync triggers for admin to control the workflow. Enabled metric logging for better tracking transaction status.
 - **Recommendations:** Developing Active learning **ML** model using **Python, Cache** for suggesting charges for providers based on their past data. Built preference lists based on recommendation for easy access.
 - **Social Care Financials:** Responsible for all router modules in \$500M project for Finland integration of Epic. Developed a new web service with SLA in **Cache** to enable integration with third party vendors to improve latency. Doubled utilization in 4 months. This project made a big leap in making system open to other systems and received significant recognition in community.
 - **Web Migration:** Migrated admin work-flows from VB to web using **C#, Typescript**. Customized internal framework modules to improve latency in data-binding mechanism.
- **Livastar** Hyderabad, India
Senior Software Engineer May 2015 - August 2016
 - **Scaling:** Scaled the architecture leveraging **AWS** and re-wrote modules to be more efficient at runtime, and take advantage of static type checking provided by Facebook **Hack**.
 - **Marketing:** Built product in **PHP, React** to get overviews of revenue, delivery optimisation. Built marketing modules that enabled customer retention like service notifications, email marketing tools and batch campaigns.
 - **Delivery:** Developed a plug-and-play system for integration delivery network easing integration of new delivery vendor in few clicks. Automated tracking mechanism and sending revenue report to respective people for follow up and credits. Created service that automates network matching so end user can create delivery label at button click
 - **Recommendations:** Core service for all recommendation systems at Livastar using **Python, Collaborative filtering**, used on the homepage and throughout the content discovery process of user.
 - **Mobile API:** Built a core service for complete e-commerce api including recommendations which is used for mobile app development. Features include delivery time optimization, order tracking, product availability notifications.
- **GridAnts/Cubeit** Bangalore, India
Full Stack Developer Dec 2014 - February 2015
 - **Mac App:** Developed Mac application by building a wrapper around product based on the **Python, Django**.
 - **Pivot:** Involved in various brain storming sessions & product development during pivot.
- **Digital Quotient** Gurgaon, India
Data Scientist May 2014 - Dec 2014
 - **Core Architecture:** Worked on **Hadoop 2.0 architecture** to develop mobile analytics platform for Android, iOS & windows mobile applications using **NodeJS, Thrift, Java**. Improved cluster security using **Kerberos & Nagios**.
 - **Uninstall Source:** Developed a patented tech for mobile analytics which is first to track uninstall source for an app in addition to implementing generic feature set.
 - **Schema Redesign:** Designed schema in **Apache Thrift** & Implemented Map Reduce jobs to store **Big Data** in HDFS. Improved the execution speed of **Jcascalog** queries by four fold from redesigned layered queries, removing the redundant computations.

EDUCATION

- **Indian Institute of Technology Kharagpur** Kharagpur, India
Bachelor of Engineering in Computer Science July. 2009 - May. 2013