NARASIMMAN SAIRAM

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EXPERIENCE

Software Development Engineer, GOOGLE – Palo Alto, CA   *Jan 2018 – Present*
Technology Stack: **Java | Scala | Cloud Services | IOT**
● Working on the backend platform services for the IOT devices at Google Nest.

Software Development Engineer, Yahoo Mail, YAHOO INC. – Sunnyvale, CA   *Sept 2016 – Jan 2018*
Technology Stack: **Java | High Traffic large scale system | Web services | Scalability**
● Working on the back end (Middle-Tier) system of the Yahoo Mail application. This is one of the unique large scale system providing api web service, IMAP, POP for email and handles ~20 Billion emails and ~500 Million users a day.
● Implementing an on-demand authentication mechanism to sync 50M mailboxes between Gmail and Yahoo. The work involves scaling of several components and fine tuning of performance metrics to achieve the desirable result.

Full Stack Software Engineer Intern, SureDone Inc. – New York, NY   *June 2016 – Aug 2016*
Technology Stack: **Node Js | Php | Micro services | AWS | Jenkins**
● Part of the team that developed a new scalable system for Market Place Automation Engine using Node JS.
● Automated and streamlined the deployment process using Jenkins Continuous Integration Tool.

Software Development Engineer, Pegasystems Inc. – India & Cambridge, MA   *March 2013 – Dec 2014*
Technologies: **Java | HTML5 | CSS | JavaScript | Handlebar JS | JQuery | RWD | REST Web Services**
● Designed and implemented web application that supports architecture in offline mode with teams in Boston, MA.
● Developed Responsive Web Applications for Android Mobile and Tablets working with globally distributed teams.

Senior Developer, United Online Inc. – India & San Francisco, CA   *July 2010 – Feb 2013*
Application Technologies: **Java | Struts | MySQL | Hibernate | JavaScript | JUnit | Agile Development**
● Developed Java based components for e-commerce ad-server and mass mailer that sends out deals to 9M members.
● Managed and mentored a team of 4 junior developers and excelled in completing project milestones.

EDUCATION

Master of Science, Computer Science   *Sept 2016*
New York University, Courant Institute of Mathematical Sciences, New York   *GPA: 3.5/4.0*
Relevant Coursework: Distributed Systems, Artificial Intelligence, Natural language Processing and Big Data Analytics.

Bachelor of Technology, Information Technology   *May 2010*
Madras Institute of Technology, Anna University, Chennai   *GPA: 8.2/10*

PROJECTS

Distributed Systems - Key Value Service   *Fall 2015*
Concepts and Technologies: **RPC | PAXOS | Linearizability | Consistency Models | Distributed Transactions | GO**
● Implemented a sequentially consistent, high performance distributed system tolerating crashes, disk failures and network partitioning; built architecture patterned on systems like BigTable and Spanner.

Big Data - Exploratory Correlation Analysis on NYC Public data   *Fall 2015*
Big Data Technologies: **Java | Hadoop | MapReduce | Python | Apache Hive | Spark**
● Exploratory correlation and analysis between NYC Taxi ridership and public events. Dataset size : ~45GB

Information Retrieval System – Search Overflow   *Spring 2016*
IR Technologies: **Java | Apache Lucene | Crawling and Ranking**
● A question answering system that responds with the best solution for any coding queries.

RESEARCH

Graduate Research Assistant in a team of 20 researchers on a global Urban Expansion program sponsored by United Nations; computerized multi-lingual surveys, built website, maintained entire stack of the application.