

Prakash Natarajan

<https://www.prakashn.com>

<https://www.linkedin.com/in/prakashnatarajan1>

Email : mail@prakashn.com

Mobile : +1-716-361-8720

<https://github.com/prakashn27>

EDUCATION

- **State University of New York, Buffalo** Buffalo, NY
Master of Science in Computer Science; GPA: 3.67 Aug. 2014 – Dec. 2015
- **Anna University** Chennai, India
Bachelor of Engineering in Electronics and Communication; GPA: 3.55 Aug. 2007 – June. 2011

EXPERIENCE

- **FactSet Research Systems - Datafeeds** Norwalk, CT
Software Engineer Feb 2016 - Present
 - **Ansible support:** Automated the windows server deployment using ansible. This reduced the deployment time by 80%. Configured ansible to check the service status of all the boxes.
 - **Monitoring:** Enhanced the monitoring of our services using our C++ toolkit. Moved the configurations to Redis for making changes easily. Enhanced the server code written in golang. Moved the UI to ReactJS which reduced the time to add new servers. Added support for service workers so that frontend code is not fetched from second request onwards. Added Opsgenie integration for alerting the team when something breaks.
 - **Toolkits:** Enhanced the toolkits in Java, C++ and C# based on client requirements.
 - **Enhanced logger for kibanna:** Datafeed Server debugging relied on the logs in each individual servers. There is not central repository where we can check for logs in many machines at the same time. Created a framework by using central logging API, to easily send the logs about of our servers. This enabled faster debugging of client issues.
- **Amazon Web Services - Lambda** Seattle, WA
Software Development Engineer Intern Summer 2015
 - **Dynamic Integration:** Developed a framework for rendering User Interface dynamically from the configuration file. Data rendering in backend is managed by an interface implementation in java. This reduced the time of adding a new application into lambda portal from two weeks to just 2 days. This also enabled easy code maintenance by abstracting the logic to JSON configuration file. Designed the front end with AngularJS, backend with Java and scripting for accessing DynamoDB is done in python.
- **Cognizant Technology Solutions** Chennai, India
Programmer Analyst June 2011 - March 2014
 - **Defects Dashboard:** Enhanced the dashboard which was used for displaying the time critical defects, collaborated with quality assurance team for running and maintaining automated scripts and integrated the results with portal. I also created a mailing windows service to email the screen shot of the defect with additional details of the exception.
 - **Insurance Applications:** Owned 3 insurance industry applications for underwriters and handled the production level tickets for external customers.

PROJECTS

- **Reminder App:** Created the server code for reminder app which alerts user based on spaced learning technique. Server is written in python, data stored in AWS dynamodb, deployed as AWS lambda functions, accessed using API Gateway, authenticated using AWS Cognito, uses google's protobuf as data interchange format and currently in alpha stage.
- **Stock Volatility using Map Reduce:** Calculated the volatility of stocks using java Hadoop, Pig, Hive, Hbase, Accumulo and compared its performance.
- **ui-select dropdown:** Created a group header selector event in AngularJS for elements that are grouped together in ui-select dropdown. This enabled selecting all the items within a header in single click.