APURV PAREKH

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 github.com/apurvparekh30

PROFESSIONAL EXPERIENCE

FactSet Research Systems, Norwalk *Aug 2019 - ongoing*
Software Engineer 1

· Designed a high performant, scalable and low latency data pipeline infrastructure to consume data from exchanges.
· Investigated the current data storage design for SymbolStore and used in memory data store, Redis distributed sentinels for faster storage, retrieval and high availability
· Implemented low latency RESTful services in GoLang to query, modify and export data from SymbolStore.
· Designed web application for SymbolStore to view, filter and export data from various SymbolStore processes

University of Central Florida, Orlando *Jan 2018 - May 2019*
Graduate Teaching Assistant

· Responsible for conducting Lab sessions and mentoring students to solve relevant problems in Algorithm Design (CS II) and Data Structures (CS I).

Cognizant Technology Solutions, Pune, India *Jan 2016 - Aug 2017*
Programmer Analyst

· Worked on Cognizant Onecommunicator application which is used to facilitate the automated communication between resources and applications using email, SMS.
· Wrote a REST services, Go routines, GORM library to receive and process the communication requests from various applications
· Worked with Application Value Management team to improve the application stability and functionality.

EDUCATION

University of Central Florida, Orlando, Florida *May 2019*
Master's, Department of Computer Science *GPA: 3.75*
University of Pune, India *May 2015*
Bachelor's, Computer Science

PROJECTS

WeatherCast Demo

· Developed a web application in AngularJS and Java Spring to check the Real Time weather condition based on user's current location or user can search for any other location across the globe.
· Worked on Here maps and DarkSky API to obtain weather and geolocation information.
· Used IPStack API to obtain user location data based on current IP address.
· Worked on AWS Elastic Beanstalk and AWS S3 for deployment of web application.

Dynamic Data Race Detection for Java Programs

· Implemented Lockset algorithm to detect data races in Java Programs at run time.
· Integrated Lockset with user defined probes for instrumented Java bytecode in Calfuzzer framework.

TECHNICAL SKILLS

Programming and Scripting Languages	C/C++, GoLang, Java, Bash, JavaScript, HTML
Frameworks, Libraries & Tools	Redis, PostGres, BootStrap, Angular, Git, Vim