INFANT ANTONY **SHELTON**

F/F3, Royal Paradise, IAF Road, Chennai | +91 7904315903
sheltonanton@gmail.com · linkedin.com/in/infant-antony-shelton · folkscube.blogspot.com

Looking for challenging problems to solve and mentor others with the knowledge I have gathered to grow with & grow more.

EXPERIENCE

2019, AUGUST 1 – PRESENT

SOFTWARE DEVELOPER, GOPAL MADISON

Bootstrapped the web application which allows users to create their strategies with the help of available indicators and execute trades based on the combination of those indicators.

Process Involved: Created Schema for whole application which contains user accounts, their strategies, orders, trading criteria (MongoDB). Built the server with REST Architecture Standards (NodeJS with ExpressJS support), Implemented cache layer with Redis. Designed the front-end interface.

Created an independent **python trade engine** that performs calculations on more than **200 stocks within a second**. Able to manage the load of the engine to and from the server, by implementing a Redis-cache layer for storing repeated calculations and live feed data from stocks. Also used **object pool and fly-weight design patterns** to limit the memory used for object creation.

Implemented **a back-testing framework** for allowing the users to test their strategies over a past period - backend.

Able to increase the accuracy of the trade by **71%** executed on a particular strategy, by implementing the **Kalman Filter** to extrapolate the price of the component. An alternate less effective method using **Linear Regression** is also proposed.

2018, JUNE 4 – 2019, JULY 20

MEMBER OF TECHNICAL STAFF, ZOHO CORPORATION

Developed an **employee tracker application** that I used for tracking various employees and the skills they are proficient at.

Followed REST Architecture style of API endpoints in the server, so that one doesn't need a separate client to navigate through the data. Thus, decoupled the client and server architecture, which also provided a way to expose APIs to other third-party applications.

Developed a feature in the web application that allows the system admin to manage Common Vulnerabilities and Exposures found on the synced agent computers by either automated or manual patching method.

Process Involved: **Created schema and views for CVE's feature at the back-end, API endpoints**, **created a suitable view at the client-side to render almost tens-of-thousands of rows efficiently by lazy loading.**

Implemented the **Data cache layer** at the client-side to **reduce API calls to the server.**

Created **common components** using material design in front-end, supporting multiple browsers, which is still used in **ongoing products**

Worked as a **Full-stack developer**, where my part also resides in **managing the front-end team.**

EDUCATION

MAY 2018
B.E., MECHANICAL ENGINEERING, PSVP ENGINEERING COLLEGE
7.6 CGPA
Developed an Android Application for EEE Classes to register to the events and see updates regarding that
Developed a Web Application for Inter-Collegiate Symposium
Codechef – 3 star
Hackerrank – 5 star
Developed a Crush Finder web application

MAY 2014
HIGHER SECONDARY AND SECONDARY COURSE, ST. FRANCIS XAVIER'S HR. SEC. SCHOOL, XAN
SCHOOL
88.08% HSC, 96.6% SSLC
District Third in FIIT JEE

SKILLS

- Teamwork
- Unconventional thinking
- Leadership
- Focus on small details

- Problem Solving Skills
- System Design
- Multi-disciplinary knowledge
- Data Structures

- *JavaScript, Node.js, Express.js, Ember.js, React*
- *Java, Spring Boot, Struts, Jersey*
- *Python*

INTERNSHIPS

Intern (Ashok Leyland)
Gained Industrial experience in machine parts assemblies process chain of heavy-duty vehicles.

Intern (Hanon Systems)
Worked in HVAC system of car and compressor assemblies

Intern (HOSCAR Systems)
Worked as Site Engineer in managing the persons and look after the day-to-day task
Submitted a project which involves increasing the efficiency of the ventilation in Operation Theatres