Shaurya Kethireddy

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EDUCATION

University of Wisconsin – Madison – Madison, WI   Sept 2018 – Dec 2021
Bachelor of Science in Computer Sciences
Minors in Mathematics, Entrepreneurship

RELATED COURSEWORK

Operating Systems, Algorithms, Combinatorics, Artificial Intelligence, Linear Algebra, Discrete Math, Database Systems, Cryptography, Combinatorial Optimization, Machine Organization, Business & Marketing, Risk Management, Data Structures

PROFESSIONAL EXPERIENCE

Sentry Insurance, Madison, WI – *Associate Software Developer*   May 2019 – Present
- Fixed critical front-end and back-end defects throughout various web apps to improve runtime and system experience
- Optimized systems to **run 40% faster** while using **22% less memory** as well as **reducing length of code by 18%**
- Converted the first web application in the organization from Struts to Spring MVC and created an enterprise standard
- Transitioned to full stack development to **create an app from scratch** which is being used to retrieve essential insurance info
- Participated in biweekly sprints in a fast-paced environment to add/change features based on the customers' needs
- Followed the **Agile dev cycle** by participating in daily stand-ups and iteration meetings in order to complete work effectively

Self Employed, Madison, WI – *Options Trader*   Jun 2017 – Jan 2021
- Visualize stock charts and figure out trends to come up with weekly/monthly plans with specific limits
- Tail-hedged through the COVID-19 market crash while using news as my main factor for decisions
- Primarily trading options while managing Roth-IRA **with returns above 430%**
- Analyze quarterly financial documents/statements as well as figure out overall sentiment on FinTwit

Kumon, Madison, WI – *Instructor*   Jan 2016 – Oct 2018
- Focused on teaching students in high school advanced math such as Calculus AB and BC
- Graded math and reading benchmark tests while also giving efficient, constructive feedback
- **Led the group of 8 tutors** in monthly meetings in order to prioritize what to teach and how to do it

EXTRACURRICULARS

Wisconsin Track Club, Madison, WI – Sprinter   Sept 2019 – Dec 2020
- Travelled to events and participated in the 200-meter sprint, 400-meter sprint, and 1600-meter relay
- Led the section of 200/400-meter sprinters during warmups and practice

JPMorgan Chase – Virtual Experience Program
- Software Engineering – Implemented a localhost interface which displays data visually using JPMC frameworks
- Commercial Banking – Prepared capitalization tables, 10Y financial models, presentations, and other metrics

Goldman Sachs – Virtual Experience Program
- Software Engineering – Analyzed encrypted passwords to propose new policies to follow to secure information

Citi Bank – Virtual Experience Program
- Sales and Trading – Presented ideas to navigate through the market by analyzing covid news as well as examining the overall market condition to write up an analytical model which summarizes projections, news flow, and impacts on assets classes

NOTABLE PROJECTS

- Created a full-stack application for Sentry to get information by integrating data from Excel files into a SQL Database and creating an API to call data and filter by user preference which would be shown on a specific page
  - Used **Spring MVC** framework to build the app. Utilized technologies such as **Java**, vanilla **JavaScript** with **jQuery**, **HTML**, **XML**, Hibernate framework for **SQL** Server connection. Dealt with all phases of the **SDLC**
- Developed a local java-based application which parses through csv of financial data and filters by user's choice
  - Participated in peer programming using GitHub for version control and source code management

SKILLS

- Languages: Java, HTML, SQL, C, C++, JavaScript, Python, CSS, Spring MVC
- Technologies: Jenkins, Jira, Bitbucket, Git, Gradle, Slack, Apache Tomcat, JFrog, SoapUI, REST Api
- Working knowledge of ThinkOrSwim, Robinhood, and Fidelity trading platforms