

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

EXPERIENCE

Amazon Web Services, Chicago, IL – *Solutions Architect Intern*

Jun 2021 – Aug 2021

Sentry Insurance, Madison, WI – *Associate Software Engineer*

May 2019 – May 2021

- 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%**
- Spearheaded the conversion of the first application in the org 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

MinervaAI, Madison, WI – *Market Research Intern*

Jan 2021 – May 2021

- Researched the top competitors in the AML industry to provide a detailed competitive landscape analysis
- Computed financial charts and presented findings directly to the CEO/COO which are being used in the investor pitch deck
- Networked with the competing companies' leaders and managers to stay up to date on industry challenges and solutions

Self Employed, Madison, WI – *Options Trader*

Jun 2017 – May 2021

- Primarily trading options and spreads as well as parking capital in high potential SPACs near NAV as cash reserves
- Tail-hedged through the 2020 market crash using news and premiums while finding inverse and correlated relationships
- Conversated with PMs, FMs, and retail traders to get unique perspectives on market related events
- 2020 ytd **+471%** 2019 ytd **+107%** 2018 ytd **+52%** 2017 ytd **-28%**

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**

SKILLS

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