

## VARUN CHAWLA

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### SUMMARY

Seasoned technologist with 8 years in micro-service and API development, adept at enhancing system performance and processes.

### EDUCATION

**Master of Science in Computer Science** | University Of California, Riverside, California, USA | June 2022

**Bachelor of Technology in Computer Science** | Technological Institute Of Textile & Sciences, India | Aug 2015

### TECHNICAL SKILLS

**Programming Languages, Databases & Frameworks** : Python, Java, JavaScript, Oracle SQL, MySQL, Spring, Node, HTML, CSS, React

**Tools**: Kafka, Maven, Swagger, Postman, IntelliJ, MLib, Scikit-Learn, Git, Figma, Selenium, Kubernetes, Docker, Github Copilot, Splunk

### PROFESSIONAL EXPERIENCE

**Senior Software Engineer, VISA INC. - Foster City, CA | Aug 2022 - Present**

- Led development of micro-services for seamless card tokenization, processing over 100 million requests for a cutting-edge application.
- Improved system performance by 20% with introducing non-blocking operations, refactoring intensive components into microservices.
- Integrated Kafka and designed robust multi-threaded components, achieving 100 ms latency and 99.999% + availability.
- Reduced deployment risk by 50% through component isolation, enabling flexible, manageable changes and granular scaling.
- Leading DevOps initiatives with Kubernetes, optimizing resource time by 22% and enhancing process efficiency.
- Ensured API reliability and maintainability through comprehensive logging, robust unit testing, and meticulous documentation.

**Web Developer, United Nations Volunteers - Remote | Aug 2020 - Nov 2020**

- Revamped uvsociety.org, boosting online donations by 15% using Wordpress, JS, HTML, & CSS.

**Apps Developer I, United Healthcare - Gurugram, IN and Minneapolis, MN | May 2017 - Dec 2019**

- Implemented C# based EDI integration for automated healthcare claims, mentoring a team of 5 Dev's and QE's as onsite SME.
- Led seamless integration of 12+ EDI Health Insurance claims' systems with UHC's platforms, optimizing workflow.
- Adept in optimizing queries, fine-tuning SQL, creating indexes, and utilizing execution plans for enhanced database performance.

**Associate Apps Developer, United Healthcare - Gurugram, IN | Dec 2015 - May 2017**

- Developed C# WinForms EDI software, saving \$0.2M, achieving 96% agile waste reduction, and earning Lean Six Sigma recognition.
- Orchestrated EDI integration in C# using EdiFabric to parse and transform claims' data to and from database.

### ACADEMIC EXPERIENCE

**Teaching Assistant/Grader, CS242 & Dept. Of Education, University Of California - Riverside, CA | Oct 2021- March 2022**

- Graded quizzes, assignments, and exams for 144 students, showcasing expertise in Page Ranking, Web Crawling, and Searching.
- Trained faculty on 3 e-learning platforms and migrated 30+ courses to more interactive platforms.

**Reader/Grader, Introduction to Big Data, University Of California - Riverside, CA | April 2021 - June 2021**

- Examined Hadoop, Spark, and Java-based labs, automated scripts, reducing assessment time by 20% for 60+ students.

### ACADEMIC PROJECTS

**US Housing & Jobs Crawler and Price Predictor** (<https://github.com/veeceey/MS-Project-Final>)

- Programmed web crawler, analyzed data, predicted property prices with 91.67% accuracy using Python, Scrapy, Scikit, Pandas.

**Software Security Web Fuzzer** (<https://github.com/veeceey/attack>)

- Developed python script for security testing, including bypassing captchas, and performed SQL Injection, & XSS attacks.

**Bitcoin Price Predictor based on Sentimental Analysis of #BTC tweets** (<https://github.com/veeceey/BitCoin-Sentimental-Analysis.git>)

- Crawled Twitter, analyzed sentiment, and predicted bitcoin price using Python, PySpark, Tweepy, and Keras.

**StockX** (<https://github.com/veeceey/stockx>)

- Evaluated performance of Recurrent Neural Networks and predicted APPL stock prices with 90% accuracy using Python and MatPlot.

**UniCrawl** (<https://github.com/veeceey/UniCrawl>)

- Developed a speech recognition-based Search Engine using Java, Lucene, Jsoup, SpringBoot, JavaScript, HTML, and CSS.

## **AFFILIATIONS**

### **Founders Network, *Member***

An exclusive, invite-only community primarily for tech startup founders, with over 600 exceptional members, including industry luminaries such as Adam Cheyer (Founder of Siri) and Solomon Hykes (Founder of Docker). My membership, approved by a prestigious committee comprising leaders from renowned companies like Siri, Docker, Match.com, and others, underscores my achievements in technology and innovation and the rigorous selection process.

### **Gildre, *Member***

Gildre, an elite, invite-only international community, rigorously selects top innovators, builders, creators, and executives in engineering and technology. Membership signifies unparalleled excellence and a commitment to driving global innovation.

### **ACM, Association for Computing Machinery, *Professional Member***

### **International Association Of Engineers, *Member***

### **IET (Institution of Engineering and Technology), *Member***

### **BCS, The Chartered Institute for IT (British Computer Society), *Professional Member***

### **IEEE (Institute of Electrical and Electronics Engineers), *Member***

### **IEEE Computer Society, *Member***

## **PUBLICATIONS**

### **Ordered Unreliable Multi-Sequencing**

*Daniel Vyenielo, Varun Chawla*

December 2021

University of California, Riverside, CS 253 - Distributed Systems

Developed a comprehensive paper on the challenges and solutions for ordered unreliable multi-sequencing in distributed systems, contributing to sections on Eris, Abstract, Conclusion, and compiled references.