

Vishay Singh . Jarvis Consulting

Hello there! My name is Vishay Singh and I graduated from the University of Toronto with an Honours Bachelor's Degree of Science, majoring in Computer Science and French Studies. Since a young age, I've been fascinated by what technology can do to solve real world problems, which is exactly what I want to do in the software industry. In fact, learning new things is a passion of mine, so software provides the perfect avenue to continually challenge myself. In my spare time, I'm either building computers, playing video games, or learning guitar.

Skills

Proficient: Java, Linux/Bash, RDBMS/SQL, MongoDB, Neo4J, Agile/Scrum, Git, Python, C, IDEs (IntelliJ, Visual Studio Code, Eclipse, PyCharm, etc.), REST API, Docker, DAO design pattern, CRUD, JDBC, Regular Expressions

Competent: JavaScript, Numpy, scikit-learn, Pandas, Pytorch, Matplotlib, JIRA, CI/CD, Repository design pattern, JUnit, Maven, Lambda Expressions, Stream API

Familiar: Racket & Haskell, R, Assembly, HTML, C++

Jarvis Projects

Project source code: https://github.com/jarviscanada/jarvis_data_eng_VishaySingh

Cluster Monitor [GitHub]: Designed, implemented, tested, and deployed a Linux Cluster Monitoring Agent that allows businesses to monitor and find server nodes that are underperforming, resulting in optimized resource allocation for the entire cluster.

Core Java Apps [GitHub]:

- Twitter App: In progress.
- JDBC App: Designed, implemented, tested, and deployed a Java app that uses the JDBC library, the DAO design pattern, a Docker PostgreSQL database, IntelliJ IDE, and DBeaver client to CRUD persisted sales data, resulting in atomic business-related queries.
- Grep App: Designed, implemented, tested, and deployed a Java implementation of the Linux grep command using features/libraries (like regex, lambda, Stream APIs, and JUnit), which recursively traverses file paths resulting in an output file with all matching strings.

Springboot App [GitHub]: Not started.

Python Data Analytics [GitHub]: Not started.

Hadoop [GitHub]: Not started.

Spark [GitHub]: Not started.

Cloud/DevOps [GitHub]: Not started.

Highlighted Projects

Google Developer Student Club Website [GitHub]: Designed, implemented, and tested an MVC architecture web application using the MERN stack (MongoDB, Express.js, React.js, Node.js) in a team of 6.

Deep Learning - RNN Lyric Generation Model [GitHub]: Designed, implemented, trained, and tested an RNN Generative Model to achieve a 58% test accuracy.

Information Security - Rootkit Lecture and Tutorial [GitHub]: Collaborated with a partner to create an in-depth presentation, lab, and assignment about rootkits that exploit the Linux LD_PRELOAD environment variable.

Professional Experiences

Software Engineer (Bilingual / Entry Level), Jarvis (2022-present): Designed, implemented, tested, and deployed software projects relating to Linux/Bash scripting, SQL, and Java, using Agile/Scrum methodology, Git Flow, and Docker. Attended and passed Master Code Review meetings that certify acceptable code quality and requisite knowledge. Lead daily stand-up meetings during the first sprint, which coordinated and tracked scrum team progress.

Computer Technician, Freelance (2017-present): Constructed, tested, and overclocked custom PC hardware resulting in hundreds of prompt solutions for satisfied clients.

Education

University of Toronto, Mississauga (2018-2022), Honours Bachelor of Science (HBSc.), Mathematical and Computational Sciences - UTM Entrance Scholarship - University of Toronto Grants (UTAPS) 2019-2022 - CGPA: 3.27/4.0 - Final Year GPA: 3.71/4.0

Miscellaneous

- Beginner guitarist
- Competitive/casual gaming
- Recreational fitness
- Film/TV/literature analysis