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**SHIVASURYA
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Software Engineer with more than three years of specialized work-experience in Full Stack SaaS development and application security in FinTech space. Currently seeking a challenging Software Engineering role.

CANADIAN VISA STATUS: POST GRADUATE WORK PERMIT HOLDER (NO ADDITIONAL IMMIGRATION PAPERWORK REQUIRED)

EDUCATION

Waterloo, ON	University of Waterloo	Sep 2019 – Apr 2021
<ul style="list-style-type: none">• M.Math. (Thesis) Computer Science, Apr 2021 (Expected). 3.8 out of 4 GPA• Thesis: Detecting Exploitable Vulnerabilities in Android Application and Framework (DEVAA).• Graduate Coursework: Empirical Software Evolution; Computer Security and Privacy - Mobile; System Performance Evaluation, Empirical Software Engineering using Ultra Large Repositories;		

EXPERIENCE

Software Engineer, Full Time	ZOHO Corporation	Dec 2016 – Aug 2019
Zoho Books (FinTech SaaS – 25+ Million Users) <ul style="list-style-type: none">• Implemented Apache Kafka for processing high volume accounting data to prepare tax and journal entries which improved processing efficiency by 75% and reduced processing time from 1 day to 3 hours.• Improved mobile app performance and reduced crash rate by 85% across Invoice, Books, Expense application by implementing common finance framework.• Implemented tax filing and assisting methods for the United States and Indian Goods and Service Tax Edition by exposing Rest API for web and mobile client to file taxes seamlessly.• Built and released Zoho Invoice generator for mobile & web app with 1+ Million downloads and 300K+ daily active users which is used as a primary customer acquisition tool for Zoho Books.• Tech Stack: Java 7+, Kotlin, Apache Kafka, RabbitMQ, Redis, Apache Spark, Memcached, Nginx, SQL.		
Mentor, Contract (California)	Udacity, Inc.	Jun 2016 – Present
Full Stack Nanodegree - Remote <ul style="list-style-type: none">• Review 200+ student project submissions per month, providing actionable and helpful feedback with the personal mentorship process and guiding them in completing the course.• Mentoring 100+ students via knowledge forum and guiding them with actionable feedback every term.		

TECHNICAL EXPERIENCE

Projects

- [GoSchedule](#) (2019). Built an interactive scheduling system with NodeJS, SQL and workers as fun project actively used by **5K+ users**, **200K+ Appointments scheduled bringing in 2K+ USD monthly recurring revenue**.
- [Material Design Library System](#) (2016) - Material design component built using android material design system specification and open-sourced for further development.

ADDITIONAL EXPERIENCE AND AWARDS

- Teaching Assistant (2019 – 2020): CS 446, CS 246, CS 135 at University of Waterloo, Canada.
- **Winner, SIH 2017**: Awarded 2nd prize with an internship at Indian Space Research Agency, Govt. of India.
- Google Vulnerability Research Program: [Rank: 237](#), awarded with 2 leet-bounty (\$1337) and hall of fame.
- Found [CVE-2018-16493](#) & security vulnerabilities in **Google**, **Dropbox**, **Twitter**, **Microsoft**, **Zomato**, **Zendesk**, **Zoho**, **ProtonMail**, **OfferUp**, **Trello**, **LeetCode**, **ZoomCar**, **VLC** in [hackerone bugbounty platform](#).

LANGUAGE, TOOLS AND TECHNOLOGIES

- Java, JavaScript, NodeJS, SQL, Kotlin, Python
- Apache Kafka, Redis, MemCached, RabbitMQ, MySQL, PostgreSQL, Nginx, Kubernetes, Docker, Serverless
- AWS, Azure, GCP, Netlify, Git, GitHub Actions, Gitlab CI/CD, Jenkins, Rest API, Swagger, Android