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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 securing application in finance domain. Currently seeking a challenging Software Engineering role.

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

EXPERIENCE

Software Engineer, Full Time	Zoho Corporation	Dec 2016 – Aug 2019
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[Zoho Books](#) (FinTech SaaS – 25+ Million Users)

- Implemented Apache Kafka for processing high volume accounting data to prepare tax and journal which improved processing efficiency by **75%** and reduced processing time from **7 days to 3 hours**.
- Implemented tax filing and assisting methods for United States and Indian GST Edition by exposing REST API's for web and mobile client to file taxes seamlessly.
- Improved mobile app performance and reduced crash rate by **85%** across Invoice, Books, Expense application by implementing common finance framework.
- Built and released [Zoho Invoice generator](#) for mobile & web app with 1+ Million downloads and 300K+ daily active users which is used as primary customer acquisition tool for Zoho Books.
- Tech Stack: Tomcat, Java 7+, Kotlin, Apache Kafka, RabbitMQ, Redis, Apache Spark, Memcached, Nginx, SQL.

Mentor, Contract (California)	Udacity, Inc.	Jun 2016 – Present
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Full Stack Nanodegree - Remote

- Review 200+ student project submissions per month, striving to give 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.

EDUCATION

Waterloo, ON	University of Waterloo	Sep 2019 – Apr 2021
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- M.Math. (Thesis) Computer Science, Apr 2021 (Expected).
- Graduate Coursework: Empirical Software Evolution; Computer Security and Privacy - Mobile; System Performance Evaluation, Empirical Software Engineering using Ultra Large Repositories;
- Thesis: Penetration testing framework for detecting android application vulnerabilities using dynamic analysis.

TECHNICAL EXPERIENCE

Projects

- [GoSchedule](#) (2019). Built an interactive scheduling system with NodeJS, SQL and workers as fun project actively used by 5K+ Users with 200K+ Appointments scheduled bringing in 4K+ monthly recurring revenue.
- Material Feedback Component (2018) - Material design component built using android material design system.

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 internship opportunity at ISRO space agency, India.
- Google Vulnerability Research Program: [Rank: 237](#), awarded with 2 leet-bounty (\$1337) and hall of fame.
- Found [CVE-2018-16493](#) & security vulnerabilities in Dropbox, Twitter, Microsoft, Zomato, Zendesk, Zoho, ProtonMail, Yammer in [hackerone bugbounty platform](#).

LANGUAGE, TOOLS AND TECHNOLOGIES

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