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SHIVASURYA

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Software engineer with more than two 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)

EMPLOYMENT

Software Engineer, Full Time	Zoho Corporation	May 2017 – Aug 2019
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[Zoho Books](#) (Finance SaaS Application)

- Led Zoho finance framework by implementing core features, tax module used across finance application (Invoice, Expense, Inventory, Subscriptions, Books).
- Built and released [Zoho invoice](#) (GST Edition), prioritized features, bug fixes and technical support by leading a team of 5+ engineers that includes tax code implementation, report and filing.
- Led Zoho finance application security auditing, designing, adopting best practices for Global Data Protection Regulation.

Software Engineer, Intern	Zoho Corporation	Dec 2016 – Apr 2017
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[Zoho Books](#) (Finance SaaS Application)

- Designed, built and released [invoice generator](#) with traction around 500K+ downloads and 100K+ MAU.
- Implemented Trips module feature for Zoho Expense SaaS application and reduced application crash rate and improving performance by 40%

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.

Madurai, TN	Thiagarajar College of Engineering	Jun 2013 – Apr 2017
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- B.S (3.9/4.0) in Computer Science, Apr 2017.
- Undergraduate Coursework: Operating Systems; Databases; Algorithms; Programming Languages; Comp. Architecture; Web and Mobile Development; Computer Security and Privacy; Computer Network; Engineering Mathematics;

TECHNICAL EXPERIENCE

Projects

- **GoSchedule** (2019). Built an interactive scheduling system with NodeJS, SQL and workers as fun project.
- **Feedback Dialog** (2018). Material design component built using android material design system.

ADDITIONAL EXPERIENCE AND AWARDS

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- Teaching Assistant (2019 – 2020): CS 446, CS 246, CS 135.
 - **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.
 - [CVE-2018-16493](#) & Found vulnerabilities in [hackerone bugbounty platform](#) including Dropbox, Twitter, Microsoft, Zomato, Zendesk, Zoho, ProtonMail, Yammer,

LANGUAGE, TOOLS AND TECHNOLOGIES

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- Java; JavaScript; NodeJS; SQL; Kotlin; PHP5
 - Apache Kafka, Redis, MemCache, RabbitMQ, MySQL, Nginx, AWS EC2, AWS SQS, AWS SES, AWS SNS;
 - AWS; Azure; GCP; Netlify; Git; GitHub Actions; Gitlab CI/CD; Jenkins; Rest API; Swagger; Docker; Android