Dmitriy Prokopchuk

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EDUCATION

University of Toronto   Toronto, ON
Honours BSc Computer Science | 4.0 GPA   *2021 – Present*
Awards:
- Lester B. Pearson Scholarship - Merit Based | Full tuition for 4 years
- 2022 University of Toronto Excellence Award - Summer Research Fellowship | $7500
- 2022 University of Toronto Scholar In-Course Award - Top 20 students entering second year | $1500
- 2021-2022 University of Toronto Dean's List of Academic Excellence

EXPERIENCE

Software Engineer Co-op   Sep 2022 – Present
PointClickCare   *Mississauga, ON*
- Developed a **Kafka** audit system for a **RESTful Java Springboot** application, allowing for **100+ secure audits** to be sent to an **Azure Event Hub** every month.
- Implemented an **OAuth2 and OpenID** authentication system in a reverse-proxy using **Nginx, OpenResty, and Lua**, resulting in a highly secure system for requesting sensitive data from the backend.
- Prepared **CI/CD pipelines** with **Jenkins and Groovy** to allow for deployment to production and staging environments. Integrated a security scan deployment stage for **Prisma Cloud and Fortify SCA scans.**
- **Unit-tested** Springboot service using **Junit and Mockito**, and mocked various HTTP requests with **MockMvc**, resolving various bugs thanks to consistent **90%+** coverage.

Undergraduate Research Assistant   Nov 2021 – Sep 2022
University of Toronto, Ontario Institute for Studies in Education   *Toronto, ON*
- Created **20+ web-scrapers** using **Python, BS4, and Selenium**, resulting in a database with **1,000,000+** data points for analysis.
- Formatted and created standalone **CSV and relational databases** with flagging systems for data and scraping discrepancies allowing for streamlined analysis in **NVivo**.
- Completed tasks remotely with a full commitment to quality, resulting in contract renewal for new projects as well as a UTEA **award valued at $7500** for the summer of 2022.

PROJECTS

Android Venue Booker | GitHub | *Java, Android Studio, Firebase*   Aug 2022
- Created a **CRUD Android application** with **Java and Android Studio** that allows for the creation and booking of venues and events.
- Implemented **NoSQL** data storage, asynchronous data updating, and authentication with the **Firebase API**.
- Acted as **Scrum Master** for a team of **5** members, using **Jira and Github** for collaboration

University Course Website | Website, GitHub | *Python, Flask, SQLite, BCrypt, Git, JS, Heroku*   Apr 2022
- Implemented back-end authentication, authorization, and **SQL querying** with **Flask, BCrypt, SQLAlchemy, and SQLite**, resulting in a **100%** mark for the backend implementation.
- Prototyped and designed user-friendly, clean, and **reactive UI** in **Figma**, and received an A+ for a fully functional and aesthetically pleasing implementation in **HTML, CSS, and JS**.
- Built project from scratch and deployed to **Heroku**.

LightSearch | Package Control, GitHub | *Python, Sublime Plugin API*   Jan 2022
- Developed a lightweight, standalone **plugin** for the **Sublime Text 4 IDE** that allows developers to query searches into a variety of common search engines from within Sublime.
- Utilized **Python** with the **Sublime Plugin API**, and officially **deployed** to Sublime Package Control with **30+** users.

TECHNICAL SKILLS

Languages: Java, Python, C, SQL (SQLite), Bash, JavaScript, HTML/CSS
Frameworks and Methodologies: Flask, Springboot, Firebase, Selenium, NoSQL, Nginx, JUnit, Azure, Agile
Developer Tools: Jenkins, Jira, Git (GitHub, Bitbucket), Maven, Heroku, OAuth2, OpenId, VS Code, IntelliJ, Eclipse, Android Studio, Sublime.