

# BILAL IKRAM

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Software Engineer with 1.5 years of experience

[bilalikram.com](http://bilalikram.com) | [github.com/ikrambil](https://github.com/ikrambil)

## EDUCATION

### University of Toronto

BASc, Computer Engineering

Minor in Artificial Intelligence

Toronto, Canada

Sept. 2019 – May 2024

- GPA: 3.83/4.00.
- Deans list 8 semesters.
- Relevant coursework: Object-Oriented Programming, Software Engineering, Data Structures and Algorithms, Operating Systems, Database Design.

## WORK EXPERIENCE

### Sony PlayStation

Software Engineer Intern

Waterloo, Canada

May 2022 – Aug. 2023

- Implemented key UI components for the PlayStation 5 Library App, including advanced search, dynamic filtering, and folder creation tools, significantly enhancing navigation and UI clarity for over 10 million daily users.
- Enhanced user experience by developing detailed test plans and automating Python scripts using Selenium for automated testing, improving feature reliability and performance by 30% in critical areas like search and filtering.
- Engineered Python APIs to optimize test coverage statistics, significantly boosting automation framework reliability and enhancing test coverage accuracy by 25%.
- Led the strategic integration of Jenkins pipelines, automating coverage statistic reporting and enhancing CI/CD pipeline efficiency—resulting in a 40% reduction in report generation time.

## SKILLS

**Languages:** Python, C/C++, HTML, CSS, JavaScript, Java, SQL.

**Frameworks:** Flask, Django, Tailwind CSS, React, Next.JS, Framer Motion, GSAP.

**Technologies:** PostgreSQL, SQLite, AWS, Docker, Selenium, Jenkins.

## PROJECTS

### Personal Portfolio | [bilalikram.com](http://bilalikram.com) | [github.com/ikrambil/Personal-Portfolio](https://github.com/ikrambil/Personal-Portfolio)

- Developed a personal portfolio, designed to highlight my experience, professional identity and personal brand.
- **Utilized:** Next.JS, React, Tailwind CSS, FramerMotion, GSAP.

### Poppin | [github.com/ikrambil/Poppin](https://github.com/ikrambil/Poppin)

- Designed and launched an interactive event-hosting platform for University of Toronto students, which features real-time event updates and RSVP capabilities, significantly enhancing campus engagement.
- **Utilized:** HTML/CSS, Tailwind CSS, JavaScript, Flask, PostgreSQL, AWS, Docker.

### OneOnOne | [github.com/ikrambil/OneOnOne](https://github.com/ikrambil/OneOnOne)

- A scheduling tool inspired by Calendly, facilitating the coordination of multiple simultaneous meetings with features like time-zone adjustments and conflict detection, improving scheduling efficiency for users.
- **Utilized:** React, Django, Tailwind CSS, SQLite.

### EZMaps | [github.com/ikrambil/EZMaps](https://github.com/ikrambil/EZMaps)

- An advanced navigation solution offering detailed route planning and pathfinding across 20 major global cities, incorporating location-based services to optimize travel time for users.
- **Utilized:** C/C++, OpenStreetMap Database API, GTK.

### Integrating AI at the North York General Hospital

- Created an AI-powered API to automate discharge summaries within the Cerner healthcare system, slashing summary generation time by 98% and enhancing decision-making speed and accuracy for clinicians, supported by Meta's Llama2 model.
- **Utilized:** JavaScript, Python, Llama2, HuggingFace, AWS.