

GUNIN KHANNA

✉ g3khanna@edu.uwaterloo.ca 🌐 <http://guninkhanna.xyz> in [guninkhanna](#) 📱 [guninkhanna](#)

SKILLS

Languages: C, C++, Java, JavaScript, Python, C#, HTML, CSS, Sass, VHDL, MATLAB, SQL

Frameworks & Libraries: Node.js, Vue.js, Express, MongoDB, Angular, Bootstrap, JQuery, MySQL, CouchDB, .NET, Ionic, React, AWS

UI/UX: Zeplin, Sketch, Adobe Photoshop, Adobe Experience Manager(AEM), Invision

Others: Git, Docker, Solr, JIRA, Agile Methodologies, Webpack, Junit, SOAP, RESTful, Jenkins, TeamCity

AWARDS

University of Waterloo · Engineering International Student Scholarship

- Extraordinary overall performance, awarded to **20** international students

University of Waterloo · President's Scholarship of Distinction

- Obtaining an overall incoming average above **95%**

UXP Systems · Certified Scrum Team Member

EDUCATION

University of Waterloo
Computer Engineering, Honours, Co-operative Program | 84% | 2020

Relevant Courses

- Software Architecture and Design Patterns
- Adaptive Algorithms • Computer Networks
- Computer Security • Operating Systems • Algorithms and Data Structures • Database Systems • Project Management • Compilers
- Digital Systems Engineering

ACTIVITIES

Hackster's Club

- Assisted in hardware design for a drone implementation

Mathematics blog

- [guninkhannamathematics](#)

EXPERIENCE

DBRS · Toronto, ON

Software Engineer · Jan. 19 to May 19

- Deployed and developed a microservice to manage role-based access control using **Python, AWS, Docker**, and built a **CI/CD** pipeline on **TeamCity**
- Designed and developed an application to automate the bulk rating process, reduced support requests by **21%** and eliminated **2 days** of manual effort using **C#, SQL, Javascript**
- Developed a materialized view to maintain user history for **2K+** users via **AWS Lambda**
- Unified logging across applications, **Loggly** to **AWS CloudWatch** and setup **Opsgenie** alerts
- Upgraded **AngularJS** to **Angular7** hybrid app, decoupled **.NET** using **Webpack** and deployed using **EC2, Docker, S3, Nginx**

International Financial Data Services (IFDS) · Toronto, ON

Full Stack Developer · Apr. 18 to Aug. 18

- Designed and developed a cross-platform **Ionic** application to automate the process of registering and dispatching posts using **Angular, Node.js** and **CouchDB**
- Improved the workflow by **88%**, eliminating **4 hours** of manual effort a day
- Reduced the number of **web-sockets** from **6 to 2** by redesigning the database schema
- Solely developed a sign-in application to track user activity using the **MEAN** stack
- Secured the applications by a **JWT-auth** server and deployed via **Nginx** reverse proxy

Great-West Life · Toronto, ON

Software Developer · Sept. 17 to Dec. 17

- Built multiple *data visualization* components that dynamically load data from a complexly structured data-set using **Vue.js, Solr** and **SQL**
- Improved asset retrieval and upload to *Java Content Repository* by **18%** using **Java**
- Worked closely with *business, content* and *design* teams to develop cross-platform **AEM** components to be used across all products using **Java, Javascript** and **XML**

UXP Systems · Toronto, ON

Automation Developer · Jan. 17 to May 17

- Implemented **SAML** login and authentication using **Java** for **3.2 million users**
- Improved the automotive test coverage by **35%** using **Java, TestNG** and **Selenium**
- Built a **CD** pipeline automating deployments on client environments using **Jenkins**

SOTI Inc · Mississauga, ON

QA Analyst · May 16 to Sept. 16

- Identified abnormal consumption patterns and assisted the team to decrease battery consumption for Android users by **16%**
- Implemented API testing using **SoapUI, Postman** and **Groovy**, on multi-OS for geo-restrictions, lockdown and security

PROJECTS

Spore | Java, Node.js and MongoDB

- Organizational tool for students to manage their time better
- Implemented a **parser** to intelligently read critical dates from the course outline and **export** it to local/third party calendar i.e shareable with friends
- Integrated university specific login and a native chat system to allow students to share documents, create study groups, events and view public calendars

MyTunes | React, Node.js, MongoDB, Spotify

- Web app that allows users to choose the next song at social events via a voting mechanism
- Used **MongoDB Stitch** and **Node.js** to maintain music priority queues and handle sessions
- Spotify sign in using **OAuth** to create *curated workout playlists* based on BPM, energy, etc.