GUNIN KHANNA

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SKILLS

Languages: C, C++, Java, JavaScript, HTML, CSS, Sass, C#, Python, 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, ON1

Others: Git, Docker, Solr, JSON, 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 •Computer Networks •Computer Security •Operating Systems • Data Structures and Algorithm • 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 fetch real-time data from the Active Directory using **Python**, **AWS**, **Docker**, **TeamCity**
- Reduced support requests by **21%**, automated the bulk rating process allowing analysts to upload a csv, get validation, and publish credit ratings using **C#**, **SQL**, **Javascript**
- Developed an AWS **Lambda** function to maintain user history using a *materialized view*.
- 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
- Architected 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**, **Docker**, **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 **Python**, 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

Detect-It | VHDL, FPGAs
- Implemented **Kirsch edge detector** algorithm in **VHDL** to detect edges by identifying an abrupt change in the brightness for each pixel.
- Optimized the algorithm by using **overlapping pipelining** for the Dataflow analyses