

# Rakin Uddin

rakinu.com

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## EDUCATION

### UNIVERSITY OF TORONTO | Honours B.Sc. in Computer Science

Spec. in Software Engineering | Sept 2015 - Dec 2019 | Toronto, CA

**Teaching Assistant:** Introduction to Databases, Principles of Programming Languages, Computer Organization, Calculus

**Notable Courses:** Network Security, Artificial Intelligence, Database System Technology

## EXPERIENCE

### SHOPIFY | Infrastructure Software Engineer Intern | Infrastructure Security Team

May 2019 – Present | Ottawa, CA

- Revamped security compliance scanners in Go, enabling testability and auditing 2000+ GCP projects 6x faster
- Integrated GitHub GraphQL-Go API into our open-source project, Voucher, to verify integrity of source code origins for 3000+ repositories in millions of builds each day
- Expanded capabilities for datastore plugins using Go in Grafeas, an open-source gRPC API that enables Binary Authorization for container images

### WEAV | Software Engineer | Backend & Infrastructure Team

Feb 2019 – Present | Toronto, CA

- Designed and implemented messaging service in GraphQL and WebSockets to enable real-time communication between 100+ of users
- Engineered robust enroute system in GraphQL, Node, and WebSockets to ensure users reach destination

### THOMSON REUTERS | Software Engineering Intern | Container Services Team

Jan 2018 – Aug 2018 | Toronto, CA

- Developed an internal BI ingestion/visualization platform in Node, AWS and PostgreSQL for managers to track and measure 1000+ metric items from 10+ teams
- Created microservices in TypeScript and Node to extract 100+ metric items from GitLab and JIRA each day
- Developed analytics features in Java for a container security microservice analyzing 5000+ containers per day

### ONTARIO MINISTRY OF EDUCATION | Software Developer Intern | Business Solutions Team

May 2017 – Aug 2017 | Toronto, CA

- Took ownership of 2 data-driven applications, delivering new features using XML, JSON, HTML/CSS, AngularJS, C#, and SQL to be used by 150+ board users across Ontario
- Developed many asynchronous backend services in C# and LINQ which reduced application loading time by 300%

## PROJECTS

### TIL teach.rakinu.com

- A web app designed to be a highly accessible repository for students to access notes and lessons from my tutorials
- Made with ReactJS, Markdown and Docusaurus

### CCDL

- Developed a system for professors to share and manage assignments and their rubrics for courses in Computer Science, Mathematics and Statistics
- Implemented backend in Ruby on Rails and MySQL as well as the frontend in React

## SKILLS

### LANGUAGES/Frameworks

Java • Go • Python • JavaScript • C • C# • SQL • Haskell • Node • React • Redux • Ruby • Rails

### OTHER

Docker • Kubernetes • AWS • Azure • GCP • CircleCI • Vagrant • Git • Terraform