

# NAGMA KAPOOR

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## PROFESSIONAL EXPERIENCE

### Senior Software Engineer @ Twali

June 2022 – Jan 2023, Remote

- Successfully led two projects as a hands-on coder, with a strong focus on React, Next.js, Serverless, and AWS.
- Delivered a legally binding smart contract and marketplace for web3 freelancers with at least 100 active users.
- Established and managed a team of 3 direct reports, implementing a comprehensive hiring process for engineers and cultivating a culture of documentation.
- Launched an engineering roadmap using agile methodology, prioritizing user experience and architecture design resulting in a 20% improvement in system performance.
- Organized regular off-site meetings every 8 weeks to promote team building and facilitate engineering/product planning.

### Full Stack Software Engineer @ Twali

Jan 2022 – June 2022, Remote

- Successfully converted a proof-of-concept into a fully funded MVP for crypto payments, securing a \$2 million pre-seed raise within a month, as founding engineer.
- Leveraged Next.js, ChakraUI components, WalletConnect, and initially Ceramic Network (a decentralized database) and later with Serverless AWS, S3, and DynamoDB without additional engineering resources.

### Software Developer @ Data Security, IBM Canada

May 2020 – Jan 2022, Markham, Ontario, Canada

- Developed reusable React UI components for a security web application to onboard 1000s of customers, using IBM Carbon components and Next.js.
- Constructed gRPC and REST APIs on the backend using Golang (Go), adhering to unit testing standards.

### Software Developer @ Guardium, IBM Canada

Intern/Co-op: May 2017 – April 2020, Markham, Ontario

- Deployed reusable and accessible UI components in Angular (4+), React (Next.js), and echarts.
- Assembled Jasmine unit testing, and upgraded Codecept.js testing environment.
- Optimized performance of a Node.js and CouchDB-backed web application by 20%.
- Handled on-call duties for UI bug fixes and escalations.

## TECHNICAL SKILLS

**LANGUAGES:** TypeScript, JavaScript, Python, HTML5, CSS, Go, SASS/SCSS, Java, C++

**FRAMEWORKS:** React.js, Next.js, Jest.js, Vue.js, Angular.js, Express.js, Jasmine, Flask

**DATABASES:** DynamoDB, CouchDB, MongoDB

**VERSION CONTROL:** git/GitHub, fossil

**OTHER:** Node.js, ChakraUI, Tailwind, AWS, D3.js, JIRA, ZenHub, Mac OS, Windows, Unix/Linux, Protocol Buffers, gRPC, REST, Apache Echarts, Jupyter Notebook

## PROJECTS

### P2P Photo Sharing Network

- Implemented a simple peer to peer shared photo album with a distributed directory in a group of 3 for CPS 706: Computer Networks I
- Built the UDP connection that utilized multi-threading, between each P2P Client and P2P Server with a simple UI in Java

### Abuse Prevention ML Project

- Assembled a tool to investigate toxicity on social media using sentiment analysis with Python, Flask, and React.js for CPS 803: Machine Learning
- Compared VADER sentiment analyzer with Support Vector Machines (SVM), and Naïve Bayes (NB) models based on a large Twitter dataset that we generated using 10 hashtags
- Developed a tweet analyzer on our web application that allows users to test their tweets for toxicity

## EDUCATION

### B.Sc. Computer Science

Ryerson University 2020

### B.A Cell Biology & Neuroscience; Minor: English

Rutgers University 2014