

Nagma Kapoor

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Professional Experience

Twali

Full Stack Software Engineer

Jan 2022 – Jan 2023

- 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
- 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

IBM Canada

Software Developer, Data Security

Markham, Canada

May 2020 – Jan 2022

- Developed reusable React UI components for a security web application to onboard 1000s of customers, using IBM Carbon components and Next.js
- Constructed a backend Golang microservice for a security dashboard page, using gRPC and REST APIs with rigorous adherence to unit testing standards

IBM Canada

Software Developer, Guardium, Intern/Co-op

Markham, Canada

May 2017 – May 2020

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

Projects

P2P Photo Sharing Network

- Implemented a simple peer to peer shared photo album with a distributed directory
- Built the UDP connection that utilized multi-threading, between each P2P Client and P2P Server with a Java UI

Abuse Prevention ML Project

- Assembled a tool to investigate toxicity on social media using sentiment analysis with Python, Flask, and React.js
- 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

Skills

Programming: TypeScript, JavaScript, Node.js, Python, HTML5, CSS, Go, SQL, DynamoDB, CouchDB, MongoDB, SASS/SCSS, Java, C++

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

Other: OSX, AWS, ChakraUI, Tailwind, D3.js, JIRA, ZenHub, Windows, Unix/Linux, Protocol Buffers, gRPC, REST, Apache Echarts, Jupyter Notebook, Git/GitHub

Education

Toronto Metropolitan University

B.Sc. in Computer Science 2020

Toronto, Canada

Rutgers University

B.A. in Cell Biology & Neuroscience 2014

New Brunswick, NJ, USA