

# TEJASH PATEL

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## WORK EXPERIENCE

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### March Networks

Software Designer — Full-time

Ottawa, ON (Apr 2023 - Present)

- Created a high-performing cloud platform using Node.js, employing a micro-service architecture designed for horizontal scalability
- Assumed responsibility for resolving critical technical issues, ranging from framework challenges to business logic, effectively resolving them
- Architected and managed Infrastructure as a Code (IaaS) on AWS cloud, maintaining its stability. Leveraged Jenkins automation server to facilitate seamless deployment of applications to the cloud. Implemented Kubernetes, Helm, and Rancher technologies for efficient application management, scaling, and orchestration

Software Designer Intern

Ottawa, ON (Sep 2021 - Apr 2022)

- Actively participated in the development of ongoing features, writing server-side code in TypeScript. Implemented comprehensive unit tests and automated integration/regression tests to ensure complete coverage
- Prepared product architecture documentation and presented it to the technical leadership group

### Kinaxis

Software Developer Intern

Ottawa, ON (Jan 2021 - Aug 2021)

- Worked with the Product Verification, DevOps team using agile methodologies to design and develop applications and platforms needed to support the ongoing development of RapidResponse
- Analyze Jenkins pipeline executions and implement improvements to reduce infrastructure downtimes
- Develop dashboards using C#, .Net, Ag-grid, Visual Studio, SQL Server, Docker for gathering testing metrics that are used by the Release Delivery team

### National Research Council of Canada

Web Application Developer Intern

Ottawa, ON (May 2020 - Aug 2020)

- Developed real time data visualization dashboards for clients using D3.js, jQuery, interactive SVG to display building energy consumption data
- Designed energy dashboard with a neat user interface helping building managers to analyze and optimize production costs as well as to increase the overall profitability in the long-run
- Employed the use of data structures in Java and JavaScript to reduce repetitive code and increase scalability of algorithms by at least 15%

## OTHER EXPERIENCE

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### Teaching Assistant - Carleton University

(Sep 2022 - Apr 2023)

- Hosted assignment workshops to teach Python data structures, libraries for scientific computing (NumPy, SciPy) and data visualization (Matplotlib)
- Helped students understand and master object oriented programming (Java) and software development concepts during multiple weekly lab sessions

### Web Developer - cuHacking

(Feb 2019 - Feb 2021)

- Collaborated with a team of six developers to create a suite of online services that was used to augment hacker experience for 600 hackers at cuHacking 2020
- Developed the website including the blog page for the cuHacking community using Typescript, React, and Ghost API

## EDUCATION

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### Carleton University

Ottawa, ON (2018-2023)

- Bachelor of Software Engineering
- Honors: Dean's Honours List | Cumulative Average: 11.7/12.0 (A+)

## SKILLS AND INTERESTS

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**Technical Skills** Python, Java, JavaScript, TypeScript, Git, Bash/Shell, AWS, NoSQL

**Frameworks** (Frontend): React, jQuery, D3.js, Bootstrap (Backend): .Net Core, Express, NodeJS

**Interests** Algorithms, Cloud, Web Development, Web Design, APIs, Database