

# BRIJENDRA NAG

linkedin.com/in/brnag  
bnag@edu.uwaterloo.ca  
+1 (647) 554-8308



## BAZAARVOICE

Software Engineering Intern - API Infrastructure Team

Jan - Apr 2018

Austin, Texas, USA

Developed a full-stack open-sourced application (<https://git.io/vpXRE>) using **Node.js** and **React**

Integrated with Bazaarvoice APIs, built and deployed **Docker** containers for the application

Caught several regressions and worked on **functional-testing** of various **Java Dropwizard** microservices

Built JIRA and Hipchat integrations using **Python** and maintained CI/CD pipelines using **Jenkins**

## BEYOND ONE EIGHTY

Software Developer Intern

May - Aug 2017

Waterloo, Ontario, Canada

Architected a **GIS** based user portal, from ground-up, to manage and visualize critical marine geodata

Used **Backbone.js** for structuring the portal, **Node.js** on the backend, and **Mongoose** for data modelling

**Reduced** database calls by **80%** and improved loading speed of the approval page, **exponentially**

Streamlined cloud storage with a file indexer to deduplicate similar data from different channels

Developed a **Python BS4** scraper to synchronize and integrate metadata of over **700** blog posts



## SPACEX HYPERLOOP: WATERLOO

Sponsorship & Journalism - Admin Team

Oct - Dec 2016

Waterloo, Ontario, Canada

Managed sponsorship relations and researched for writing journal articles to establish a strong PR

Team successfully raised **\$ 43,416** through a Kickstarter campaign to fund prototype Hyperloop pod



## EDUCATION



Bachelor of Computer Science at University of Waterloo

Sep 2016 - Present

**Activities:** CS Club, Waterloo, Hack the North, HackPrinceton, NASA Space Apps, PennApps

**Relevant Coursework:** OOPs (C++), Compiler (C++), Data Structures, Computer Organization, Probability

## PROJECTS

[github.com/brijendra98](https://github.com/brijendra98)



Caffeine - Java, XML, Android Studio

Mar 2017

**Won 2nd Place** at Start Hacks for a product which prevents drivers from dozing off, reducing accidents

Integrated 'Muse: the brain sensing headband', with an **Android App** via Bluetooth

Processed real-time **brainwave & accelerometer** data to track head-position and monitor brain activity



Cryptobot - Node.js, Firebase, Azure Portal, Coinbase API, XE.com API

Sep 2017

Cryptocurrency trading assistant built at Hack the North to provide a layer of abstraction for beginners

Deployed a **Node.js** webhook on **MS Azure** Bot Services and channelled it out to Facebook Messenger

Integrated APIs to fetch latest news, change home currency, and perform transactions within the bot

## SKILLS

Java, C++, Python, Node.js, React, Backbone.js, C, Bash, Scheme, MongoDB, AWS, Docker, Jenkins