BRIJENDRA NAG

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BAZAARVOICE   Jan – Apr 2018
Software Engineering Intern   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
Implemented **property-based testing** strategy for the new Client Response microservice
Built JIRA and Hipchat integrations using **Python** and maintained CI/CD pipelines using **Jenkins**

BEYOND ONE EIGHTY   May – Aug 2017
Software Developer Intern   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: WATERLOOP   Oct – Dec 2016
Admin Team   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, Waterloop, Hack the North, HackPrinceton, NASA Space Apps, PennApps
Relevant Coursework: OOPs, Sequential Programs, Data Structures, Computer Organization, Probability

PROJECTS   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

Cryptbot – 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