

# Boris Bershadsky

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## Education

### Seneca College

**Computer Programming**  
May 2016 | Toronto, ON

## Skills

### Web Development

Ruby on Rails • Custom "gems"  
AJAX • HTML5+CSS3 • React +  
Redux Componentization • PHP  
Nginx Server • Python and  
Django • RESTful API

### Databases

MongoDB • MySQL • SQLite  
(ANSI) DB2 • PostgreSQL  
MS-SQL • MiniMongo • Hadoop  
Sequelize • InfluxDB • GraphQL

### Dev Technologies

NPM • Heroku • Webpack  
Packagist • Bootstrap 3+4  
JSON • i18n + JAWS •  $\LaTeX$   
Material Design (Materialize +  
Material-UI) • Bash • Docker +  
Kubernetes

### API

AWS+S3 • Stripe • Sendgrid  
Twitter • Instagram • Oauth 2  
Binance • Twilio • Facebook  
Bit.ly • Github • Google Maps  
Youtube • Imgur • Slack  
CoinMarketCap • Discord  
Telegram

## Languages

Professionally fluent in English  
and Russian

## Experience

### Chainvu | Senior Full Stack Embedded Developer Jan 2019 - Jan 2020

Designed and developed embedded firmware, drivers, applications for TI CC2642 and NRF52832  
Implemented OTA (Over the Air) software updates for mass distribution of sensor population  
Created end to end testing environment and implemented secure multi-user dashboard with  
Raspberry Pi 4 + Grafana + PostgreSQL + InfluxDB to monitor dozens of sensors in real-time  
Developed internal sensor inventory tracking tool with Rails, PostgreSQL, Python + Flask and  
integrated sensor data into development staging environment

### Abacus Coin (ABA) | Full Stack Blockchain Developer Sep 2018 - Nov 2019

Abacus is a one click solution to Masternode hosting that aims to provide security, vetting,  
convenience, and metrics to Masternode hosting services. Abacus is built with ReactJS on a backend  
RoR server. Abacus offers one click masternode hosting for only the highest quality masternode  
projects. The more nodes hosted on Abacus the more our cryptocurrency community fund grows.  
Abacus provides metrics for how much we give back. The private keys for each fund are held by their  
community's developers.

### Uptick | Full Stack Product Engineer Aug 2018

Uptick gives you peace of mind while you track your investments with a comprehensive React  
Material dashboard of over 100 different fiat/crypto holdings and companion wireless IoT ticker  
with a high-contrast OLED display. The API offers 1s refresh rates and a real-time signal service for  
Questrade, Binance, Bitfinex, Poloniex, and CoinMarketCap currency markets. In December 2018  
we added Oanda forex markets and multi-account balance tracking via the v20 API

### 1Place Web Development | Full Stack Web Developer Nov 2017

1Place is a one-stop dev shop for building Reactive HTML5 RESTful web apps and internal job  
tracking tools. We also offer Android/iOS App development and E-commerce web integration  
services

### DIP3D | Full Stack Web Developer Jan 2017

DIP3D offers on demand 3D printing, design, and prototyping services with many materials  
including PLA, ABS, PET, HIPS, Flex PP, Ninjaflex, Laywood, Laybrick, Nylon, Bamboofill, Bronzefill,  
ASA, T-Glase, Carbon-fibers enhanced filaments, Polycarbonates. Our products include wearable  
electronics/gadgets, 3D printing accessories, and custom product carrying cases. We accept Paypal,  
Credit Card, Cryptocurrency payments, and offer a decentralized printing service across several  
locations in the GTA.

### Sensor Breath | Full Stack Embedded Software Developer Nov 2016 - Jan 2018

Designed and developed a comprehensive system to record, analyze, graph, and backup real-time  
sensor data for a 24bit ADC MCU based on Teensy 3.2 and Raspberry Pi using C++, Python, Plot.ly,  
and MongoDB

Built and tested a portable "Intelligent Hot Plate" with mobile remote control of temperatures  
between -4C to +60C with 0.25 degree precision using RTD, 2P2T relays, peltier module, voltage  
boost converter, and ESP32 NodeMCU

Created a tiny live view client with Plot.ly, React, Meteor, and MongoDB

### Daisy Intelligence | Full Stack Web Developer Mar 2016 - Nov 2016

Team lead for developing and providing production support of secure client facing web portals  
(Insurance + Retail) with DB2 Backend for several big clients (Walmart, Giant Tiger, Earth Fare,  
Staples, Empire Life, Northwest Co.) to fully automate client data delivery process  
Created an Internal Admin Panel to fully automate project management deadlines and easy CRUD  
functionality of all web portal users: logging, input filtering, and managed 100+ user accounts to  
offer management a dashboard "pulse" of scheduled client deliverables  
Implemented LAMP stack with Gitlab CE on CentOS 7 and provided all developers with a training  
session outlining Git philosophy + best coding practices