
LinkedIn: [linkedin.com/in/brunovieirabh](https://www.linkedin.com/in/brunovieirabh)

GitHub: github.com/bvrsilva1

Portfolio: bvrsilva1.github.io

>LANGUAGES AND TECHNOLOGIES

- **Proficient:** Java, Spring Boot, Hibernate, JUnit, Python, HTML5, CSS, JavaScript, ReactJS, AngularJS, Node.js, Express, C++, Android, scikit-learn, Pandas, SQL, MySQL, MongoDB, Git, AWS, OOP, TDD, RESTful APIs
 - **Exposure:** C#, PHP, Perl, Swift, Ionic, Flask, Tensorflow, D3.js, Neo4J
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>EDUCATION

Master of Science in Computer Science (GPA: 3.4), University of Nebraska - Lincoln May 2019

- **Relevant Coursework:** Software Architecture, Software Testing, Algorithms for Big Data, Data Analysis

Bachelor of Science in Computer Science, University FUMEC, Brazil Aug 2015

>PROFESSIONAL EXPERIENCE

E2 Lab | Software Engineer + Researcher | Lincoln, NE Aug 2017 - May 2019

- Developed [static analysis tool](#) which automatically detects API related issues in Java Android apps using C++, improving detection by 250% and reducing analysis time and memory usage by 65% and 73%.
- Automated generation of GUI test cases of [surgical robots](#) through using C#, uncovering critical issues in 2 of 5 robots analyzed.

SBBI Lab | Full Stack Software Engineer + Researcher | Lincoln, NE Jan 2016 - Aug 2017

- Performed data analysis on biological data using Python, Pandas and scikit-learn, saving \$25,000 after analysis indicated error in the data received by the sequencing laboratory.
- Developed [diet monitoring system for obesity management](#), enabling automated food recognition with 84% accuracy, assessment, and dietary intervention in Java, Spring Boot, Android, Python, TensorFlow and MySQL.
- Responsible for development, database design, deployment and maintenance of biological web databases and bioinformatics tools using JavaScript, Node.js, Express, AngularJS, D3.js, PHP, Pearl, MySQL and AWS.
- <http://sbbi-panda.unl.edu/miRDis>, <http://sbbi-panda.unl.edu/miRDR>, <http://sbbi-panda.unl.edu:5000/dmd>

Villefort | Full Stack Software Engineer | Belo Horizonte, Brazil Jan 2013 - Aug 2013

- Participated in development of web condominium management system with Java, Servlets, jQuery, Bootstrap and SQL Server, generating revenue of ~\$70,000 annually.
- Introduced Agile methodologies such as Scrum and TDD, and applied to new and current projects, enabling launch of new features and MVPs within 1 - 4 weeks of development and testing.
- Developed internal web system from scratch to manage employees paperwork and payments using Java, Spring, jQuery, Bootstrap, Hibernate and MySQL, reducing paper usage by 100%.

Havop | Software Engineer Intern | Belo Horizonte, Brazil Sep 2012 - Jan 2013

- Created mobile frontend and backend server for web application that assesses fruit quality for farmers using Java, Spring, Android, Hibernate and MySQL, launching MVP within 1 month.
 - Performed testing on web application for trading items between users using Java, JUnit, FindBugs and PIT.
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>PROJECT WORK

I'm Lincoln | Founder + Software Engineer 2015

Android app which recommends events in Lincoln, NE, based on users preferences.

- Architected and developed the mobile system using Java, Spring Boot, AngularJS, Android, and MongoDB.
 - Successfully launched the project which led to landing assistantship as Graduate Research Assistant at University of Nebraska - Lincoln.
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>AWARDS

Science Without Borders Scholarship, Brazilian Government 2013