NIKOLAS DE VIGNE BLANCHET

- Web applications • Rest APIs • Databases • Software design

420 3e Avenue
Verdun, QC H4G 2X4
(514) 974-7773
nikdvb@gmail.com

Experience

Anuvu (formerly, Global Eagle), Montreal -- *Full Stack Developer*

January 2020 - PRESENT

Development and maintenance of APIs and infrastructures present on ground as well as in-flight. Includes tasks such as, designing and implementing new features, maintenance of development and production environments, documentation and improvement of current processes, front-end development support, mentoring, and development and maintenance of embedded systems.

Global Eagle, Montreal -- *Front-end Developer*

September 2018 - December 2019

Front-end development for multiple websites displaying entertainment content available in-flight for major airline companies such as KLM, United Airlines, Air New Zealand, Vietnam airlines, and more. Also contributed to development of web portals used to watch/listen to entertainment in-flight (includes clients such as Air France and Southwest Airlines).

Okus, Montreal -- *Part-time Full Stack Developer*

January 2018 - May 2018

Full stack development for a startup's pilot project consisting of chatbots used for car dealership customer support. Included tasks such as server maintenance and front-end customization for multiple clients.

Education

Concordia University, Montreal -- *Software Engineering (BEng)*

January 2014 - May 2018

Four year bachelor of engineering program where I learned how to design, code and test software products. Completed courses such as, Web Programming, Object-Oriented Programming, Databases, Software Architecture and Design, Computer Graphics, and more.

Champlain Regional College, Saint-Lambert -- *Pure & Applied Science*

September 2012 - November 2014

Two year pre-university science program where I completed courses in mathematics, physics, chemistry, biology, and computer science.

Projects

Microportal -- *Work Project*

Generic and themeable template for CMS driven websites that display upcoming entertainment in passenger flights. The project was built using AngularJs to create an SPA, RxJS to fetch data from the CMS, Less for styling and theming, Gulp to automate the build and theming process, and Cypress, Jasmine and Karma for testing. Tasks involved implementing designs, and ensuring that accessibility was in accordance with W3C accessibility guidelines.

Visit the website here: https://entertainment.cathaypacific.com/

Airtime Portal -- *Work Project*

Contributed to the Full-Stack development of this generic and themeable application that offers entertainment to passengers in-flight. The frontend project uses AngularJs as the main framework, RxJS to fetch data from our backend API, Sass for styling and theming, Cypress for testing, and Gulp and Jenkins for build and testing automation. On the backend, there are two Falcon python REST APIs, the on-ground API, which is hosted on Ubuntu servers and deployed using Docker and Ansible, and there is the in-flight API, which lives on Archlinux servers on the plane and is installed via pacman packages.

For more information: https://www.anuvu.com/our-portfolio/products#showcase-intro-airtime-portal

ListenIn -- *Personal Project*

Project implemented using Phonegap to target multiple mobile platforms at once, Angular.js for the frontend application, Node.js for the build, development tools and backend server, Express.js to create a scalable API to communicate with the project's MySQL database and the Spotify API. The application allows users to see what other users are listening to around them.

Skills

- Strong foundation in software engineering and programming principles across multiple platforms.
- Able to quickly learn and master new technologies.
- Comfortable working in a team or autonomously.
- Perfectly bilingual in french and english.

Achievements

- Designed and contributed to the development of an in-flight shopping API used by passenger and crew applications.
- Implemented the games functionality for Southwest Airlines' web portal, used by thousands of passengers daily.
- Worked on the proof of concept and analysis to implement Apple Pay on aircrafts and contributed to it's development.
- Took over development of web applications previously owned by external offices and led them to successful releases.

Programming Languages

- Python
- Javascript
- TypeScript
- Java
- C++
- SQL
- Bash
- PHP

Technologies

Angular.js, Apache, Meteor, React.js, Android Studio, Django, Pyramid, Express.js, Node.js, Yocto, Docker, Falcon, Black, Flask, Phonegap, MySql, Postgresql, Google Analytics, JwPlayer, Java Spring, Nginx, RxJS, HTML, CSS, XML, jQuery, Mocha, Linux, Git, JIRA, JUnit, CppUnit, Pytest, CircleCI, Jenkins, KVM, Virtualbox, SQLite, Ansible, CMake, Memcached, Redis

Hobbies

- 🎸 Guitar
- 🎵 Music production
- 🎮 Gaming
- 🍴 Cooking
- 📷 Photography
- 🎞 Movies
- 🐦 Birdwatching
- 🚶 Hiking
- ⚽ Soccer