

# DENNIS BREEN

SOFTWARE DEVELOPER

## CONTACT

blackspider8391@gmail.com ✉

## EDUCATION

Bachelor of Compute Science  
Computer Science  
University of Victoria  
2011 - 2014

## SKILLS

Python (Django)  
SQL (PostgreSQL,  
MySQL, MongoDB)  
Cloud (GCP, AWS)  
JavaScript (ES6, React, Redux,  
Node.js)  
Typescript  
HTML/ CSS  
CI/CD  
Angular  
Docker  
GraphQL  
PostgreSQL  
PHP(Laravel, CI)

## FULL STACK MERN DEVELOPER | VUE | ANGULAR | AWS | 8+ YEARS EXPERIENCE

- Skills:
  - Service & Functional Programming
  - C/C++, Java, PHP, AWS, AWS Lambda/Amplify, Node JS, Go, Solidity, Web3.js, Haskell, python, cython, django, Scala
  - Web Development
  - PHP, CI, Laravel, ASP. Net, Node.JS
  - React, Vue, Angular (React Hooks, React Redux, Redux Hooks, JavaScript, TypeScript)
  - WordPress, Drupal, Shopify, HTML, CSS
  - Git/Jira
  - MS Dynamics 365
  - Database
  - MySQL, MongoDB, PostgreSQL, Dynamic DB
  - Technology
  - Video Encoding / Decoding
  - Video Streaming Protocol (HLS, RTMP, RTSP, RTP)
  - Server Cloud
  - AWS Media Services, AWS Serverless Programming
  - Google Cloud Engineering

## WORK EXPERIENCE

### Full-stack Developer

Gameboopers

2019 - 2022

- Planned and developed an innovative solution for digital game distribution with Node.js, PostgreSQL, and Angular.
- Positioned the product in the market by digital advertising and pitching to a large number of investors.
- Set up and maintained a Linux-based server on Azure.
- Composed CRON scripts with Bash for task automation.
- Implemented a scalable RESTful API architecture with Node.js that could handle high amounts of product-order-related data flow.
- Created unit/integration tests with Mocha and Chai to increase the application's stability.
- Technologies: PostgreSQL, Angular, Node.js, Back-end, Full-stack, HTML5, CSS, REST APIs, Front-end, Linux, Git, SQL, ECMAScript (ES6), Azure, HTML

### Full-stack Developer

FriendAPuppy

2017 - 2019

- Worked on building an eCommerce platform from scratch, which led to a successful launch with hundreds of users and counting.
- Used DDD guidelines and graph theory finite automata to describe, plan out, and eliminate the most probable risk factors from an unorthodox product purchase flow that required complex interactions between multiple parties to complete the purchase.
- Implemented required back-end logic with Node.js and GraphQL, including a payment processor integration, user information management, order placement, and checkout.
- Brought to life designs provided by the product designer using Next.js and React and integrated them with GraphQL on the back end.
- Technologies: MySQL, Domain-driven Design (DDD), eCommerce, Next.js, React, GraphQL, Node.js, Back-end, Full-stack, HTML5, CSS, Front-end, Git, SQL, ECMAScript (ES6), HTML

## Full-stack Developer

Airtechs

2015 - 2017

- Drastically improved security by fixing various critical issues so that sensitive flight data was inaccessible to unauthorized users.
- Designed and implemented a CouchDB database and added MapReduce-based views for handling large amounts of aircraft-related data.
- Added back- and front-end functionality with Node.js and Aurelia according to UML diagrams, making aircraft repair operations easier for staff.
- Implemented unit and integration tests by utilizing Mocha and Chai to prevent unexpected data loss.
- Created CRON scripts such as Bash and Node.js for sending aircraft repair notifications to the appropriate users, requesting new flight data from the external APIs and processing it accordingly, and more.
- Wrote functionality that generated PDF reports about the issues with the aircraft.
- Technologies: CouchDB, Aurelia, Node.js, Back-end, Full-stack, HTML5, CSS, REST APIs, Front-end, Linux, Git, ECMAScript (ES6), Software Architecture, HTML, PDF