FELICITY BRAMMER

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FULL STACK DEVELOPER

I'm a driven, curious and solution-oriented Software Engineer who loves to find and eliminate bugs. I have a strong background in mathematics education that makes me a great analytical and creative problem solver. I love to write, develop, test and review code, and I have a passion for optimization and efficiency. I thrive in an environment dedicated to teamwork and collaboration.

TECHNICAL SKILLS

- JavaScript, Node.js, MySQL, Express, MongoDB, GraphQL, JSON
- React (with Hooks), AJAX, jQuery, HTML5, CSS3, Bootstrap, Responsive Design
- Agile methodologies, MERN stack, RESTful APIs, Object Oriented Design, Git, Test-Driven Development
- Fan of unit testing, functional programming
- Currently learning: Java, C#, Spring Boot, .NET, Cloud Technologies, TypeScript

SOME RECENT PROJECTS

OkCreature - Team Project (Feb 2022)

A personalised matching app for pets and potential adopters.

Built with React, MongoDb, GraphQL, Node.js, Apollo, Express, JavaScript

One of my best team experiences! Executed using Agile methodologies, extensive prototyping and robust collaboration. My role was to build and test the back-end GraphQL functionality, to create JWT authentication on the server and client-side, and to integrate state management with React hooks.

Live Link: https://okcreature.herokuapp.com

GitHub Repo: https://github.com/felicitybrammer/pet-matcher

My Social - Team Project (Dec 2021)
A full stack RESTful social media API for posting, commenting, liking and following.
Built with: MySQL, Express.js, JavaScript, Sequelize, Handlebars.js, Node.js, Bootstrap
I was instrumental in building server-side models, routes and database schemas, and in connecting front and back end through handlebars templates. I was able to maintain team cohesion despite challenging friction among members through encouraging communication, decision making and flexibility.

Live Link: https://polar-sands-74505.herokuapp.com/login
GitHub Repo: https://github.com/felicitybrammer/my-social

WORK EXPERIENCE

2U - Remote (May 2022 - Present)

INSTRUCTIONAL SPECIALIST - University of Toronto Web Development Coding Bootcamps

- Advising and assisting coding bootcamp students with course material and projects relating to **JavaScript, React, Node.js, MySQL, GraphQL, MongoDB**
- I provide code review, troubleshooting, and tutorials in programming concepts

Yukon Government - Whitehorse, Yukon (Sept 2016 - Dec 2021)

STEM TEACHER - Porter Creek Secondary School - Mathematics, Physics, Science

- Took a dynamic and creative approach to personalised learning and incorporation of technology and logic skills into curricula that resulted in increased levels of student engagement
- Independently developed a robust and adaptable record-keeping system to maintain sensitive records that streamlined my reporting timelines
- Created workshops to demo STEM activities like skatepark design, bridge building, rocket launches, game development and geometric art to junior students that directly resulted in an increase in registration for senior classes and higher education courses in STEM fields by female students.
- Leader in the Gender and Sexuality Alliance where I developed a program of support and guidance for lgbt2qs+ students. We successfully campaigned for and brought into law a ban on conversion therapy in the Yukon.

British Columbia School District 43 - Coquitlam, BC (Jan 2012 - June 2016)

MATHEMATICS/SCIENCE TEACHER - Various Schools - Contract and On-Call

- Developed a successful mathematics curriculum plan for struggling learners and was able to demonstrably increase student engagement, attendance and performance within six months

EDUCATION

- **University of Toronto** - Web Development Coding Bootcamp, Certificate (Final Grade: 98.5%)
- **University of Bristol** - BSc (Honours), Physics and Mathematics

OTHER PERKS

- Good technical writer and public speaker
- Solid project management skills
- Knowledge of algorithms and data structures
- Speaks French and basic German