JOCELYN BACHMANN

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TECHNICAL SKILLS

Languages	Frontend	Backend	Tools & Testing
Java	JavaScript / TypeScript	Node	Git
Ruby	React / Angular / Vue	Express	Jest / Mocha / Chai
Python	Redux	Ruby on Rails	RSpec / JUnit
C / C++	HTML	MongoDB	Docker / Openshift
PHP / Lua	CSS / SCSS	PostgreSQL / MySQL / GraphQL	JIRA / Confluence

WORK EXPERIENCE

VIDYARD **Sep 2023 – Dec 2023**
Software Developer (Full Stack) *Vancouver, BC*
- Worked with Vue and Ruby on Rails to develop new features for Vidyard, a video sharing application primarily for business use.
- Led the migration of all my team's notification services from an in-house API to Knock.
- Saved the company thousands of dollars in lost subscriptions by writing Rake tasks for high priority asks from customer support and fixing long standing issues created by a previous billing platform migration from Zuora to Stripe.
- Prevented the loss of a $200,000 deal by putting out an urgent fix for a bug causing spam notifications.

ROYAL BANK OF CANADA **Sep 2022 – May 2023**
Software Developer (Full Stack) *Toronto, ON*
- Worked with a team of designers and developers to build and maintain an enterprise-wide, self-serve data analytics platform.
- Built RBC's Property Valuator app currently piloting across Canada using TypeScript, React, Redux, and Google Maps API.
- Developed a cross-application user feedback system for reporting bugs and metadata quality issues using TypeScript, SCSS, and Angular on the frontend and Node.js, Express.js, Knex.js, and AWS S3 on the backend.
- Helped shift core backend deployment from PCF to Docker and Openshift.

UNIVERSITY OF BRITISH COLUMBIA, FACULTY OF FORESTRY **May 2022 – Sep 2022**
Game Developer *Vancouver, BC*
- Designed and developed game features for a Minecraft-esque educational game to be used in UBC's forestry courses.
- Used Lua and the Minetest Lua Modding API to develop and test features for a stand-alone mod.
- Developed a tutorial system for students and several virtual forestry tools including a compass, measuring tape, and clinometer.
- Worked with designers to create and implement prototypes and conducted user testing for an MVP.

PROJECTS

ROOMMATES APP
JavaScript, React, Redux, Node, Express, MongoDB, OpenAI API
- Currently building a Roommates app to help users track groceries and expiring food, meal plan using AI, and divide up chores.
- On the calendar page, users can create and assign chores, set them to recurring intervals, and mark them as done.
- On the groceries page, users can either manually enter their items and expiry dates or use AI image recognition to do so automatically with a photo of the items or receipt. Users can also use AI to generate and save recipes for selected grocery items.
- In progress, so still a little bit buggy (e.g. only sign-in works right now, not login), but will be ready by the end of August.

THE BRING IT UP PROJECT
TypeScript, React, Node, Express, MongoDB, Mocha
- Worked across the stack to develop a web application centred around mental health resources for students in BC.
- Set up endpoints for managing counselling service objects using TypeScript, Express, MongoDB, and Chai.
- Built a filtering system whereby services can be filtered by properties such as location, specialty, or associated school.

WESTPEAK WEBSITE
JavaScript, React.js, Gatsby
- Initially learnt frontend web development in a month to take on the club's Tech Director role and regularly update the website.
- Implemented a significant overhaul of the site, refactoring most pages to improve performance, readability, and responsive design.
- Rebuilt the 'Industry Research' page to accommodate for added team and report subdivisions and to improve scalability.
- Rebuilt and redesigned the 'Contact' page, replacing Bootstrap with Formik and Primereact.

TRAVEL PLANNER
PHP, SQL, Oracle
- A travel planner app where users can join groups of other travelers and browse/create travel guides and itineraries for different locations.
- Built to practice designing a normalized database and to learn SQL and PHP, so features were included purely to use as many types of queries as possible – frontend design was not the focus.

NOTES APP
Java, JSON, Swing
- A notes application that allows users to create, save, delete, and search through notes. Originally built as an academic project to learn Java.

EDUCATION

UNIVERSITY OF BRITISH COLUMBIA **Expected Completion: May 2025**
Combined Major in Computer Science and Business (Co-op)
- **Awards:** Dean's Honour Roll, Outstanding International Student Award