Tessa Power

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SUMMARY

Fullstack engineer with a BSc in Computer Science and 3+ years of professional experience building scalable web applications. Software skills rounded out with Scrum Product Owner and ISTQB Software Tester certifications. Also experienced with mobile dev life-cycle, App Store deployments, and lower-level backend technologies including C/C++, C#, and GPU programming.

EDUCATION & CERTIFICATIONS

- Bachelor of Science, Computer Science, Victoria University of Wellington (2024)
- Certified Scrum Product Owner (2020)
- ISTQB Certified Software Tester (2019)

TECHNICAL SKILLS

- **Languages:** C/C++, JavaScript/TypeScript (Node.js), Ruby-on-Rails, SQL, Java, C#, Python, Golang, GDScript
- **Frontend:** React (18+), Material UI, Tailwind CSS, Vite, Storybook, Apollo Client
- **Backend:** REST & GraphQL APIs, Spring (5.3+), JSON & XML, Background job processing, Ruby-on-Rails, Node.js
- **Cloud & DevOps:** AWS, CI/CD (GitHub Actions, CircleCI, Travis CI), Git
- **Databases** MySQL, Redis, MariaDB, PostgreSQL, Cloud Firestore, Mongo DB
- **Testing & QA:** Jest, JUnit, RSpec, Cypress, Cucumber, React Testing Library, GTest, Katalon Studio, TDD, BDD
- **Dev & Collaboration Tools:** JetBrains IDEs, Visual Studio, GitHub, Jira, Confluence, Figma, Notion, Wrike, Trello, Agile/Scrum

PROJECTS

Trail Conditions Map   Github Link

Interactive map integrating the National Weather Service API to show local mountain bike trail conditions. Client-side caching and real-time updates, powered by AWS, PostgreSQL, React, TypeScript, Express/Node.js.

EXPERIENCE

Green Card Application Processing (Aug 2024 - July 2025)
- Unable to work during Green Card application process.
- Green card issued July 2025.

Bachelor of Science, Computer Science (2020 - 2024)
- **GPA:** 3.6 / 4.0
- **Focus:** Systems programming, mathematics, computer graphics.
- **Coursework:** Systems Programming & Networking, Scalable Software Development, Web Development, AI/ML, Real-time 3D Computer Graphics, Computer Vision, Linear Algebra.

Software Engineer: Shuttlerock Ltd (May 2021 - Jan 2022)
- Developed fullstack features for Ruby-on-Rails/Go backend and React/TypeScript frontend used by global creative teams.
- Participated in architectural refactoring to transition from monolithic codebase to microservices architecture.
- Created lightning talks to train colleagues on select CS topics.
- Resigned when my husband and I relocated to the US.

Developer Intern: Tatou Technologies Ltd (Jun 2020 - Dec 2020)
- Introduced support for identifying performance bottlenecks in React Native/Firebase application used in rural areas with little-to-no device network connectivity.
- 6-month fixed-term contract.

Product Owner: YR Live Ltd (Oct 2019 - Mar 2020)
- Collaborated with engineering leadership to define product roadmap and technical architecture decisions for sustainable custom-print apparel platform serving enterprise clients.
- Resigned to pursue Computer Science degree.

Frontend Developer: Sparkly Box Ltd (Sep 2018 - Oct 2019)
- Maintained and extended frontend features and content on company's website (React.js/Astro).
- Managed automated testing and deployment of three iOS apps to the Apple App Store.
- Integrated scripted release management into CI/CD pipeline.
- Startup shut down in October 2019.

Mechatronics Developer Intern: CENIT Ag (Oct 2017 - Oct 2018)
- Developed frontend features in C# for Cenit's FastSuite Edition 2, an industry-leading native Windows desktop app specializing in offline programming, simulation, and commissioning for industrial robots and machines.

Bachelor of Science, Mechatronics (Oct 2017 - Oct 2018)
- First year mechatronics at Baden-Württemberg State University.
- **Coursework:** Physics, Electrical Engineering, Logic, Analog Circuits, Digital Circuits, Embedded Systems, C Programming.