Soren Larsen

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I am a highly motivated software engineer with a solid background in computer science, focusing on web and mobile application development. Experienced in a broad spectrum of programming languages and technologies, I have refined my expertise towards web and mobile frameworks to efficiently execute projects from start to finish. Currently, I am exploring generative AI to enhance these projects, aiming to leverage its capabilities for innovative user experiences.

EDUCATION

- **University of California Santa Cruz** Santa Cruz, CA
  Bachelor of Science in Computer Science; GPA: 3.40 *Sept. 2019 – June. 2023*

CERTIFICATIONS

- **Machine Learning Specialization**: Coursera/Stanford/DeepLearning.AI, Nov 2023
  Certificate: https://www.coursera.org/account/accomplishments/specialization/certificate/RRGAARWYKJER

SKILLS

- **Languages:** Javascript, Typescript, HTML, CSS, Swift, Kotlin, Dart, Java, Python, SQL, C/C++, Haskell, Latex, JSON
- **Frameworks/Databases:** React, React Native, Flutter, Express.js, Node.js, Vue.js, PostgreSQL, Flask, Bootstrap
- **Developer Tools:** Git/GitHub, Jira, Figma, Docker, Jest, Barista/Espresso, Postman, Google Cloud
- **Development Practices:** Version Control, Scrum, Test-Driven Development (TDD), Continuous Integration/Continuous Deployment (CI/CD), Agile Methodologies, Full-Stack Development, Mobile Application Development, Front-End Development, Back-End Development, Software Development Life Cycle (SDLC), Object-Oriented Programming (OOP), Machine Learning (ML), Artificial Intelligence (AI)
- **Soft Skills:** Effective Communication Skills, Agile Adaptability, Collaborative Teamwork, Strategic Time Management, Rigorous Attention to Detail, User-Centric Customer Service, Leadership, Creativity, Empathy, Stress Management, Conflict Resolution, Resilience, Critical Thinking, Emotional Intelligence, Self-Motivation/Initiative, Negotiation Skills

EXPERIENCE

- **Boardal** San Diego, CA
  Software Developer & Consultant — Agile Methodology Specialist *April 2024 - Present*
  - **Software Development and Agile Expertise**: Providing expertise in Software Development and Agile Methodologies to streamline and organize the app's development process.
  - **QA Testing and Debugging**: Elevating the performance and dependability of the application through QA testing and debugging.
  - **Feature Integration and Expansion**: Actively involved in integrating new features, aiming to expand the app's capabilities and ensure it aligns with user demands and future scaling needs.
  - **Adaptability and Innovation**: Adapting to the dynamic and evolving needs of the startup, ready to tackle new challenges and technologies to drive the Boardal app forward.
  - **Link**: https://boardal.app/

- **ParkCircuit (formerly ParkMe)** San Diego, CA
  Founder *Mar 2024 - Present*
  - **ParkCircuit Application**: ParkCircuit is a dynamic application designed to simplify urban parking by helping users list, find, and reserve available parking spots in real-time.
  - **Product Ownership of ParkMe Jan-Mar 2023**: Spearheaded the ParkMe project, effectively simplifying urban parking by realizing a functional prototype with technologies like Flutter, Node.js, TypeScript, and PostgreSQL. This groundwork established a strategic path for ParkCircuit, with the aim of scaling these solutions for real-world deployment and user adoption.
  - **Legacy Project Link**: https://gitfront.io/r/iamsorenl/3GNVBXrchghV/ParkMe/
  - **Strategic Platform Transition and Quality Focus**: Leveraged insights from ParkMe to reconfigure ParkCircuit for an initial web app launch, prioritizing ease of deployment and broad accessibility. This strategic pivot emphasizes quality and scalability, ensuring a robust foundation for future cross-platform expansion.
  - **Link**: https://github.com/ParkCircuit

PROJECTS

- **Messaging Service Mobile Application** Mar 2023 - Jun 2023
  Tech Stack: Kotlin, Swift, React Native, Barista, Espresso, XCTest, Jest
  - **Project Description**: Developed multi-platform messaging applications mirroring Discord and Slack user interfaces and functionalities such as real-time messaging and group channels. This approach addressed the task of providing a consistent communication experience across Android and iOS ecosystems using Kotlin, Swift, and React Native.
  - **Unified Backend RestAPI**: Orchestrated a solution to employ a RestAPI across the diverse range of frontend versions, tackling the intricacies of maintaining a consistent data flow and an equally exceptional experience across platforms.
  - **Quality Assurance (QA) and Testing**: Championed a comprehensive testing suite adhering to Test Driven Development (TDD), achieving extensive code coverage through unit, functional, and UI tests. Prioritized manual testing to validate user experience and application reliability, ensuring a seamless integration of features across platforms.
  - **Link**: https://gitfront.io/r/iamsorenl/TbpzioKijiha/Messaging-Service/

- **Email System Web Application** Jul 2022
  Tech Stack: React, Node.js, Express, PostgreSQL, Material UI, Jest
  - **Project Description**: Devised and launched a full-featured email system, addressing core communication needs by enabling users to send, receive, sort, and manage emails across multiple mailboxes significantly improving organizational efficiency and user adaptability.
  - **Custom REST API Development and Integration**: Engineered and integrated a custom REST API to bridge frontend and backend functionalities, taking on the challenge of real-time data synchronization and user request handling. This strategic development streamlined operations, significantly reducing response times and elevating user experience by enabling efficient data retrieval and submission.
  - **Quality Assurance (QA) and Testing**: Employed a Test Driven Development (TDD) approach with Jest to ensure comprehensive code coverage and flawless functionality, emphasizing robustness and reliability through extensive unit and integration testing.
  - **Link**: https://gitfront.io/r/iamsorenl/watXvfgwYEzr/Email-Service/