

WILL CHEN - SOFTWARE ENGINEER

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[LinkedIn](#) • [Github](#)

A forward-thinking back-end software engineer with 9 years of finance and management experience. Leveraging extensive experience as Director of Finance and CEO to bring an analytical approach to software engineering. A passion for rock climbing and skiing mirrors a professional journey characterized by tackling challenges head-on and adapting to new terrains. Committed to optimization, innovation, and continuous learning in the tech sector.

SKILLS

- Ruby on Rails (ROR)
- ActiveRecord
- PostgreSQL
- RESTful WebServices
- REST API
- RSpec
- Test-Driven Development (TDD)
- Git
- GitHub
- GitHub Projects
- SQL
- MVC
- Heroku Deployment
- Postman
- Object-Oriented Programming (OOP)
- Continuous Integration (CI)
- AI

PROJECTS

Merchant Management System, ROR - [GitHub](#) * [HEROKU](#)

- Collaboratively engineered a robust and scalable application that facilitates comprehensive Create, Read, Update, and Delete (CRUD) operations for merchants, items, and invoices within a four-person team.
- Implemented quantity-based discounts into the system, complemented by a sophisticated dashboard that offers projections of discounted revenues, enhancing decision-making capabilities for merchants.

Movie Party Organizer, ROR - [API](#) * [RENDER](#)

- Spearheaded the development of an innovative application that seamlessly integrates with an external movie database API, offering a rich and dynamic content experience.
- Crafted a user-friendly platform that streamlines the process of creating, managing, and inviting participants to movie viewing parties, significantly enhancing user engagement.

Rails Engine, ROR - [GitHub](#)

- Designed and built a sophisticated Rails-based API, acting as a comprehensive eCommerce reporting tool, tailored to meet the evolving needs of modern online businesses.
- Introduced comprehensive happy and sad path testing with meticulous rescue encapsulation, guaranteeing robustness and reliability in diverse usage scenarios.

EXPERIENCE

Natural Dynamics Inc., *Chief Executive Officer*, Arvada CO 2021

- Optimized company operations, reducing expenditures by 30% and steering the company back to profitability through strategic renegotiations and prudent reductions in personnel and financial commitments.
- Reenergized corporate structure and employee relations, significantly enhancing operational efficiency and team morale.
- Led pivotal revenue growth strategy pivot based on market research and successful Board of Directors negotiations.

Natural Dynamics Inc., *Director of Finance*, Arvada CO 2018 – 2021

- Orchestrated financial strategy and reporting, contributing to informed decision-making and strategic planning at the executive level.
- Secured over \$650k in low-cost government loans and assisted with \$600k in equity investment, fortifying financial stability.
- Spearheaded a comprehensive overhaul of Management Information Systems, optimizing financial operations and compliance processes.

Fidelity Investments, *Investment Solutions*, Greenwood Village CO 2018– 2021

- Expertly guided clients with up to \$500k in assets, securing new business and fostering client satisfaction through personalized financial planning and strategy alignment.
- Championed and streamlined training initiatives, significantly enhancing team skill set and contributing to overall team performance and success.

EDUCATION

Turing School of Software and Design, Denver, CO Remote 2023
Accredited Back-end Engineering Certificate

Colby College, Bachelor of Arts, Waterville, ME 2009
Major: Economics with a concentration in Financial Markets