

Oak Thielbar

Software Engineer

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Creative, innovative, and technically sophisticated software engineer with experience in translating complex requirements into impactful technical solutions and working independently and collaboratively through the software development life cycle to deliver high quality and timely results. Skilled in creating resilient systems with a focus quality, accuracy, efficiency, and scalability.

Professional Experience

Senior Software Engineer

Capital Prawn (1/2018 – Present)

Go, Elixir

- Programmed horizontally scalable backend services in Go and Elixir
- Wrote systems utilizing websockets to get realtime data feeds for algorithmic trading of cryptocurrencies
- Designed backend service to generate and manage composable trading bots
- Integrated with external brokerages and architected code to facilitate adding new brokerages as needed

Senior Software Engineer

Porch (11/2018 – 7/2019)

Scala, Kafka, React

- Mentored and trained six member remote team in best practices for development of backend (Scala) and frontend services (React)
- Designed and coded backend microservices in Scala
- Refactored services to add Kafka, decoupling existing code and enhancing performance and reliability
- Implemented frontend pages and systems by creating modular components in React with a focus on adhering to design guidelines

Software Engineer

uGen World (10/2016 – 1/2018)

Unity3D, C#, REST, PostgreSQL

- Created data-driven procedural UI and trained design team on its usage.
- Slashed process time for integration with backend servers by 50% by writing a client-side wrapper for the REST API.
- Enhanced the user experience by designing and developing unique UI for PC, mobile, and VR platforms.
- Reduced bug count in production by 30% by establishing Git processes.
- Boosted performance of team by training them on REST API and relational database fundamentals.
- Participated in database design discussions as an intermediary between the design team and the services team, including writing example PostgreSQL queries for modifying application data

Software Engineer

Unoceros (1/2015 – 10/2016)

Core technologies: Node.js, Express, MongoDB, Handlebars, AWS

- Rearchitected static webpages into dynamic website and trained team members on the web development stack.
- Maintained Linux infrastructure in AWS EC2 by deploying and managing Docker containers.

Education

Associate of Arts in General Studies
Studies in Computer Science

Chemeketa Community College
Oregon State University