

# Nicolas Knoebber

Remote from Northern California • 641-260-1703 • knoebber@gmail.com  
nicolasknoebber.com • linkedin.com/in/nknoebber • github.com/knoebber

## PROFESSIONAL EXPERIENCE

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### chairish.com

Senior Platform Engineer

Remote

January 2022 - Present

Chairish is a popular e-commerce platform that allows users to buy and sell high end home furnishings.

- Full stack web development in Python/Django/JavaScript
- Rewrote the front-end checkout experience to resolve a variety of bugs and UX issues
- Created database migrations to better normalize data
- Wrote robust unit tests and refactored dense code to improve maintainability
- Participated in multiple code reviews per day; gave functionality and maintainability based feedback
- Implemented performant/accurate interface for geolocating a request/postal code
- Upgraded the entire JavaScript codebase to es6/webpack - improved front end build time from 15 minutes to 15 seconds and reduced every page's total size by more than 10kb.

### ICS Advanced Technologies

Software Engineer

Remote

August 2018 - December 2022

ICS is an internet service provider that primarily serves apartment complexes.

- Completed multi year effort to rewrite legacy PHP app in React/Go
- Worked on a Ruby on Rails application that onboards tenants and lets them manage their internet subscription
- Used Stripe to collect payments and fulfill service with webhooks
- Wrote services in Go that authenticate connected devices and set internet speeds
- Implemented a distributed JWT AuthZ system in go/react by following RFC 7519

### FabPro1

PHP Web Developer

Cedar Rapids, IA

April 2017 - May 2018

Implemented data ingestion and analysis in JavaScript/PHP/MySQL for metal cutting/welding factories.

## PERSONAL PROJECTS

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### mypurplewebsite.com

[github.com/knoebber/purple](https://github.com/knoebber/purple)

- Personal data tracking tool written in Elixir / Phoenix LiveView
- Integrated with Gmail OAuth to automatically scrape my credit card transactions from emails
- Created custom markdown dialect by extending Earmark's abstract syntax tree
- Implemented robust content tagging system
- Contributed upstream improvements that were merged to the official Phoenix and LiveView repositories

### dotfilehub.com

[github.com/knoebber/dotfile](https://github.com/knoebber/dotfile)

- Implemented version control system from scratch in Golang
- CLI features a custom VCS system that is loosely based on git - init, diff, commit, push, pull, log, etc
- Web server returns server side rendered semantic HTML pages without any JS

## PREFERRED TOOLS

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Golang, Python, Django, JavaScript, React, Elixir, Phoenix LiveView, MySQL, Postgres, SQLite, Linux, Emacs, Vim

## EDUCATION

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### Grinnell College

Bachelor of Arts in Computer Science

Grinnell, IA

May 2017