

ALEXANDRA PRODAN

Software Engineer

San-Francisco, CA

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SUMMARY I am a software engineer who has many years of experience with designing and building web applications. I love to solve real world problems and aim to write human friendly code.

EXPERIENCE **Chronos** | <https://chronos-project.github.io>

Co-Creator

Remote

Fall 2018 - Present

- Co-created and deployed an open source event capturing framework for greenfield applications built with Node.js, Apache Kafka.
- Created client side tracker that automatically captures user events and sends event data to the Chronos API endpoint.
- Optimized the size of event data sent by tracker which allowed to increase the payload by 100%.
- Set up a back-end infrastructure that sends event data to Apache Kafka and writes it to TimescaleDB and PipelineDB databases.
- Isolated Chronos components using Docker containers to facilitate system configuration for a developer.
- Co-authored case study about Chronos implementation (<https://chronos-project.github.io/casestudy.html>)

Full Stack Web Developer

Freelance

Remote

Winter 2015 - Winter 2018

Built full-stack web applications using a wide range of technologies:

- **Airline Routes (React, JS):** a web application that displays major airline routes. Users can filter routes by airline and/or airport. Users can also visualize flight data by clicking on a map.
- **Postit (Ruby, Rails):** Reddit-like application that allows users to create, update and delete posts. Users also can comment on posts and vote on posts and comments.

SKILLS & LANGUAGES **Back End:** Ruby, Rails, Node.js, SQL, PostgreSQL

Front End: JavaScript, React/Redux, HTML/CSS, jQuery

Other: Git, Docker, Apache Kafka

EDUCATION **Launch School**

Software Engineering

Remote

Winter 2015 - Fall 2018

Harper College

Web Design and Development

Chicago, IL

Fall 2013 - Spring 2014