FEDERICO CINER

Software Engineer

CONTACT

📞 +61 478 208 078

✉️ federico.ciner@gmail.com

🌐 federicociner.com

🐙 federicociner

in /in/federicociner

📍 Sydney, Australia

SKILLS

LANGUAGES

JavaScript

TypeScript

Python

SQL

LIBRARIES AND FRAMEWORKS

React.js, React Redux

HTML5 and CSS3

SCSS, Styled Components

Apollo GraphQL, Graphene

Django, Django Rest Framework

TOOLS AND INFRASTRUCTURE

Postgres, MSSQL

Docker

Linux, Bash/Shell

AWS

Redis

CloudWatch, Sentry, DataDog

TESTING

PyTest

Jest

Cypress

ABOUT ME

I am a full-stack software engineer with experience building large-scale web applications and API services in the financial services and healthcare industries. In previous roles, I have also worked as a backend engineer building and deploying machine learning tooling and deployment pipelines for large organisations across Australia.

I also have experience building and deploying data platforms using open-source, cloud-based and commercial database management systems for data science, operational analytics, management reporting, and executive-level reporting.

I have strong stakeholder engagement, project management, planning and organisational skills, and has a proven track record of successful delivery working with a variety of software development methodologies, including Agile, Scrum and Waterfall.

EXPERIENCE

GenesisCare

Sep 2020 - Present

Software Engineering Team Lead

- Responsible for driving and scaling the development of the Horizon platform, an E2E clinical workflow and patient management application. This platform is used internally within GenesisCare by hundreds of radiation oncologists, thousands of nurses and administrative staff, and over 250,000 patients across Australia, UK, and USA
- Leading a squad of four full stack engineers, we implemented a new module targeted primarily at nurse practitioners, which consisted of various dynamic forms and data integrations with internal Eletronic Medical Record (EMR) systems. We used a more streamlined approach to forms by using client-side state management with React Context, Formik and Yup, which eliminated client-side blocking and reduced TTI (time to interactive) by approximately 3 seconds per page
- Released the first pilot instance of the Horizon application in the US, travelling to various US-based clinics along with a team of two other senior engineers. Coordinated with various networking, infrastructure, and on-site clinical teams to ensure a smooth experience for the pilot doctors using the application, which will eventually scale out to hundreds of doctors and hundreds of thousands of patients

Commonwealth Bank of Australia

Mar 2018 - Sep 2020

Senior Software Engineer

- Designed, developed and tested cross-functional frameworks for training, deploying, and monitoring machine learning models on the bank's Hadoop data platform
- Led the development of a Python-based CLI application which was used by credit analyst and data scientist teams to generate deployment and configuration artefacts for self-service model deployments. This reduced time to deploy a new machine learning model into production from 6 months down to 2 weeks, representing a 93% reduction in time to deploy
- With a team of two junior engineers, implemented a model scoring framework in Scala and Spark which allows data scientists to score models deployed as REST APIs. The retail bank's internal complaints management team used this framework to deploy NLP and classification models that score over 20,000 customer complaints a day to determine the probability of a complaint being associated with a systemic issue

Software Engineer

- Developed a machine learning scoring framework to deploy various XGBoost models measuring loan default risk, which were used to reduce application approval times for small business loans from 60 days down to same-day decisions
- Designed and implemented the authentication backend for an internal fraud detection and anti-money laundering graph exploration tool built using Flask and D3.js

Ernst and Young

Jul 2016 - Mar 2018

Manager, Data and Analytics

- Led a small team of analytics practitioners and consultants in the design and implementation of data platforms across a range of clients in the banking and insurance industries
- Developed a SQL-based reconciliation testing framework on Microsoft Azure to automate and test data migration and digital transformation outcomes for a large Australian superannuation provider
- Managed the development and implementation of a strategic data platform for a large Australian insurer, which consolidated over 30TB of data across over 25 different source systems onto a single platform

EDUCATION

Georgia Institute of Technology

Aug 2016 - Dec 2019

M.S. Computer Science

📍 Atlanta, Georgia, USA

🎓 GPA: 3.7/4.0

University of Richmond

Aug 2008 - May 2012

B.S.B.A Finance, International Business

📍 Richmond, Virginia, USA

🎓 GPA: 3.8/4.0