

William Buck

<https://williambuck.dev>

<https://github.com/wsbuck>

Maestro Interactive, Los Angeles CA

Principal Engineer

January 2024 - PRESENT

- Lead engineering team of ~15 developers
- Architectural design and review of platform for stability and performance
- Design and implement coding standards and development processes
- Develop APIs and backend services to scale to millions of concurrent requests

Senior Software Engineer

December 2020 - January 2023

- Lead pod of engineers related to monetization and payment processing features
- Contributed as a member of the Architectural Decision Records team
- Optimized backend RPC services in terms of scalability and responsiveness
- Implemented Chat system to handle over 1M websocket connections
- Designed and managed transaction data pipeline using Apache Beam and Pub/Sub

Software Engineer

February 2020 - December 2020

- Developed dynamic and responsive user interfaces using React
- Designed and implemented RESTful APIs to undergo high load
- Collaborated in Agile teams, sprint planning, and regular code reviews

SCAN Health Plan, Long Beach CA

Actuarial Engineer

January 2018 - February, 2020

- Data analysis with SQL, R and Python to predict future claims
- Model automation to reduce completion time by ~80%
- Manage internal dashboards and tools

Bolton, Washington DC

Actuarial Programmer

August 2015 - December 2017

- Built stochastic model and platform to forecast pension plan solvency
- Data analysis in Python and SQL for analyzing future liabilities

VOLUNTEERING

Hack for LA, Los Angeles CA

Software Engineering Lead

January 2019 - March 2020

- Open source development with LA Family Housing to reduce homelessness in LA
- Co-Lead Frontend Engineering Team of about 8 members

EDUCATION

California State University, Fullerton CA

BA Business Administration, Finance / Actuarial Science

Spring 2015

In depth study of Financial Engineering and Mathematics. Actuarial Sciences track.

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SKILLS

Full stack web development

API Development

System Architecture

DevOps

Leadership

Communication

Agile methodology

TOOLS

AWS

Google Cloud Platform

Firebase

MongoDB, DynamoDB,
PostgreSQL, MySQL,
BigQuery

Docker and Kubernetes
Orchestration

Github Actions, Travis
CI/CD Tooling

Apache Beam data
streaming pipelines

Elasticsearch

AI, ML and NLP solutions

PROGRAMMING LANGUAGES

Javascript / Node, Go, Java,
Python

MEMBERSHIPS / AWARDS

Hack for LA Leadership

Built in LA 2021 Tech
Innovator Award
Nomination