

# William Buck

<https://williambuck.dev>  
<https://github.com/wsbuck>

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## EXPERIENCE

### Maestro Interactive, Los Angeles CA

#### Senior Software Engineer

September 2020 - PRESENT

- Lead team of engineers related to monetization and payment processing
- Contributed as a member of the Architectural Decision Records team
- Optimized backend RPC services by over 300%
- Implemented Chat system to handle over 1M websocket connections
- Designed and manage transactions data pipeline using Apache Beam and Pub/Sub

#### Software Engineer

February 2020 - September 2020

- Frontend engineering with React
- Backend engineering in Node using MongoDB and Redis
- Participated in Agile software development

### 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 to forecast pension plan solvency
- Data analysis in Python and SQL for analyzing life expectancy

## 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
- Code Review and Process implementation

## EDUCATION

### California State University, Fullerton CA — BA

BA Business Administration, Finance / Actuarial Science

Spring 2015

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

## SKILLS

Full stack web development

Leadership

Communication

Architecting scalable services

Agile methodology

## TOOLS

AWS  
Google Cloud Platform  
Firebase

PostgreSQL, MySQL, MS SQL Server, SQLite, MongoDB, aws DynamoDB

Docker, Kubernetes

Apache Beam streaming pipelines

## PROGRAMMING LANGUAGES

Javascript, Go, Java, Python

## MEMBERSHIPS / AWARDS

Hack for LA Leadership

Built in LA 2021 Tech Innovator Award Nomination