

San Francisco
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Charles H.A. Depman

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TECHNICAL SKILLS

Strong: Ruby, Javascript, RoR, Postgres, SQL, Redis, React, Redux, Node.js, RSpec, Jenkins

Experienced: Go, Kotlin, Python, Docker, AWS, Firebase, Arduino, Raspberry Pi, D3, Sketch

WORK EXPERIENCE

Software Engineer, Bird Rides (San Francisco) 2019 - present

- Implement backend features as part of Multimodal mission team, maintain Scoot app backend/infrastructure
- Scope and Translate Scoot IoT telemetry ingestion stack to Bird stack (UDP/Erlang/Ruby > TCP/Go/Kotlin)

Backend Tech Lead, Scoot Networks (San Francisco) 2018-2019

- Specified and developed features for rider app, from vehicle command endpoints to user billing
- Led engineering planning sessions and retros, managed backlog for rider app backend team

Sr. Engineer - Solutions & Partnerships, Scoot Networks (San Francisco, Barcelona, Shenzhen, Shanghai) 2017-2018

- Managed hiring for QA Engineer, Hardware R&D Engineer and Technical PM in Barcelona
- Developed and deployed solutions for software issues, debugged and delegated hardware/firmware issues
- Conducted factory audits, wrote reports, met with partners for hardware design/manufacture/testing in China

Full Stack Software Engineer, Scoot Networks (San Francisco) 2015-2017

- Developed APIs for IoT data ingestion / payments / mapping / analytics / testing using Ruby on Rails
- Created modular, reactive UI components for mobile devices using React + Redux

Lead Instructor, Product School [Part-Time] (San Francisco)

2017

- Developed curriculum around Ruby, RoR, JS, HTML, and CSS
- Lectured on app architecture and language features (MVC, networking, data modeling, data presentation)

Instructor and Full-Stack Developer, Moringa School (Nairobi) 2015

- Lectured on algorithms, algorithmic complexity, and data structures in Java, Ruby and Javascript

Teaching Assistant, Hack Reactor (San Francisco) 2015

- Delivered data structure/algorithm lectures as part of instruction team, interviewed and mentored students

Global Academic Fellow, NYU Shanghai (Shanghai) 2013-2014

- Organized university's first hackathon as advisor to student entrepreneurship club, Startup Shanghai

Asia Regional Coordinator & Development Officer, Waterkeeper Alliance (New York) 2012-2013

- Managed fundraising and advocacy campaigns for 19 environmental NGOs in China, Bangladesh, and India

HUMAN LANGUAGES

Advanced: English, Mandarin (Spoken and Written) **Intermediate:** Korean, Japanese, Spanish

EDUCATION

UC Berkeley The Structure and Interpretation of Computer Programs (SICP) (CS61A) 2014

NYU Shanghai Introduction to Computer Science (CS101, Audit) 2014

University of British Columbia B.A. Asian Language and Culture (Chinese), *1st Class Honors* 2009-2011

McGill University B.A. East Asian Studies 2007-2009