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EDUCATION

JOHNS HOPKINS UNIVERSITY
MENG IN COMPUTER SCIENCE
B.S IN MOLECULAR AND CELLULAR BIOLOGY
May 2016 | Baltimore, MD GPA: 4.0

BOARDS

WA DEPT. OF ECOLOGY | Carbon Market Board Member
Board of experts guiding the WA state regulated carbon market protocols.

SBAB | SEATTLE DEPT. OF TRANSPORTATION

Key stakeholder in disbursement of Seattle's decade long transportation levy.

UPLYFT UNIDOS | LYFT

Focused on LatinX recruiting, resulting in several dozen key hires.

SELECTED WRITING

INFOQ | Mitigating Cascading Failure at Lyft

This article was also published in InfoQ's service mesh eMagazine.

LYFT ENG | Public Articles

SPEAKING ENGAGEMENTS

ENVOYCON 2020 Community and Extensibility: Building Envoy's Flexible Compression Subsystem

QCON LONDON 2020 Next Generation Client APIs in Envoy Mobile

ENVOYCON/KUBECON NA 2019 Envoy Mobile in Depth: From Server to Multi-platform Library

VELOCITY 2019 SAN JOSE, AND BERLIN

- How Lyft Migrated to a Service Mesh
- Deploying hybrid topologies

KUBECON NA 2018

- Keynote: Envoy Project Update
- Evolving Legacy Systems into Kubernetes at Lyft: A Hybrid Environment

KUBECON EUROPE 2018

Developer Productivity with Envoy

ENTREPRENEURSHIP

PRIVATE CORPORATE VENTURE FUND | CLIMATE SOLUTIONS ADVISOR
Q1/2024 – Present | Remote
Advise a Climate Solutions CVF, funding unique avenues to tackle the climate crisis.

PUKKA BUILT | BUSINESS OWNER

Q3/2023 – Present | Seattle, WA

- Collaborate with private clients and furniture sellers to design, fabricate, and market custom pieces of furniture. Over 4 dozen pieces to date. 0 to 6-figure yearly revenue.
- Design and install residential electrification solutions for half a dozen houses. >100kw of Solar, heat pumps, thermal storage, appliance electrification.

ENGINEERING

PUKKA BUILT | SOFTWARE CONTRACTOR AND CONSULTANT

Q3/2023 – Present | Seattle, WA

Contract with several engineering firms for tight deadline, high impact software projects. Four engagements of 6 month avg. Most projects are under NDA. One public example was the original design, implementation and OSS of Plano.

PATCH | STAFF SOFTWARE ENGINEER

Q2/2022 – Q3/2023 | Remote

Built and launched pioneering carbon removal business platform to advance the industry toward the gigatonne scale CCS industry the world needs.

LYFT | STAFF SOFTWARE ENGINEER

Q2/2019 – Q2/2022 | Seattle, WA
Client Networking Team

- Designed, implemented, and open sourced Envoy Mobile, a new client networking library based on the Envoy project. A multi-year research and development project adopted by millions of active networking nodes.

LYFT | SENIOR SOFTWARE ENGINEER

Q1/2018 – Q2/2019 | Seattle, WA

Tech Lead (since Q3 2018) for Lyft's Networking team.

- Led the network team's foundational work building Lyft's modern, service-oriented architecture; requiring massive multi-organization coordination and leadership.

LYFT | SOFTWARE ENGINEER

08/15/2016 – Q1/2018 | Seattle, WA

Server Networking Lead in Lyft's Networking team.

- Member of the team that implemented and open sourced Envoy. Project Maintainer.

FLATIRON HEALTH | SOFTWARE ENGINEERING INTERN

06/01/2015-08/15/2015 | New York City, NY

Engineered a highly parallel Apache Spark cluster to improve Flatiron's data pipeline efficiency.

RESEARCH

SARIA LAB | RESEARCH ASSISTANT

Spring 2015 – Spring 2016 | Baltimore, MD

Designed and developed Dashan: a modular system to analyze Electronic Medical Records. The system has been deployed to several hospitals in the Hopkins Medical System.