

ALEX LAUNI

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Professional Experience

Red Ventures

January 2022 -

Present

Senior Backend & Data Engineer | C#/.NET, Rust, AWS, Databricks, DBT, Scala, DevOps

Lead technical teams and own stakeholder communication with marketers, and business leaders.

Build, own and operate API servers, front-end infrastructure, and modern data pipelines.

Build, operate, and optimize ELT pipelines in a modern data stack.

Ford Credit

February 2021 -

September 2021

Full-Stack Engineer | Java, Spring Boot, SQL, Vue, AI/ML, XPBUILT

AI-backed personalized recommendation system helping to increase LTV of Ford Credit customers.

Mentored 4 software engineer interns through the planning and delivery of customer-facing software.

Created and maintained tests to ensure long-term software health and quality.

Decreased critical API response time from over 3s to under 500ms.

Participated in cross-team planning and incident response, increasing team autonomy.

Led large refactoring effort of detangling poorly performing, highly coupled classes to clean modular, and high-performing architecture.

U.S. Navy

August 2014 -

May 2021

Navigation Electronics Technician (Submarines) First Class |

Operations, AC/DC/Digital electronics, TS/SCI, Instructor

Direct supervisor of 5-7 sailors during overseas deployments; responsible for safe undersea navigation and all preventative and corrective maintenance for the ship's critical navigation and interior communication systems.

Awarded: Navy & Marine Corps Achievement Medal (8), Good Conduct Medal (2), 2018 USS San Francisco Junior Sailor of the Year.

Canonical Ltd

Software Engineer | Python, C++, C, JavaScript, Linux, Bash, Jenkins, Bazaar, QA, DevOps

November 2010 -
February 2013

Developed automated user acceptance and integration testing framework for flagship desktop product.

Lead transition to continuous integration development model for multiple projects.

Part of a scrappy, mission-driven team.

Education

M.B.A. (in progress)

University of Michigan Ross School of Business

Ann Arbor, MI

May 2022 - May 2024

Coursework:

Strategy, Accounting, Marketing, Leadership

Projects:

Solagron | [Website](#) Marketing, Strategy, Finance

Helped develop a GTM strategy for a start-up spirulina producer located in Vietnam.

M.S. Computer Science

Old Dominion University

Norfolk, VA

August 2018 - May 2021

Coursework:

Algorithms & Data structures, Distributed Systems, Data Science, Big Data, Machine Learning, Numerical Methods, Cryptography, DevOps, Databases.

Projects:

LiftRight | [GitHub](#) Swift, Rust, Matlab, iOS, 2D Graphics, HCI, CI/CD, Kubernetes, MongoDB

Repetition and set segmentation algorithm for early, online identification of weight training exercises using a single sensor, and gamified platform for guiding a user into modifying their form.

Thematic Movie Recommendation Engine | [GitHub](#) Python, Machine Learning, Scikit-learn

Movie recommendation engine based on thematic elements pulled from movie scripts. Word2Vec and TF-IDF models.

Trend seeking in NYC with CitiBike | [GitHub](#) Python, Apache Spark, Big Data

Leveraged GIS, Citibike, and IRS datasets to identify changing trends in New York City neighborhood tax data.

Associations:

Association for Computing Machinery | National member

ACM-W | ODU chapter vice-president (2020 - 2021)