



JAMES LAVIN

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OBJECTIVE

Senior backend/full-stack developer role helping startup with meaningful mission build efficient, scalable, sustainable code, ideally: functional/reactive programming, message-based microservice architecture, solid testing, strong typing, event-driven design, CI/CD, sufficient time to design & build thoughtfully, embrace of learning & working smarter, automated infrastructure (Kubernetes + Istio), and – most importantly – an inclusive, collaborative, supportive, entrepreneurial, user-focused culture.

EXPERIENCE

- March 2015 - Present* *Teladoc Health, Senior Developer (Ruby/Rails & Elixir/OTP/Phoenix)*
- Architect & lead backend developer of Medication Service – built as an Elixir umbrella project – which lets the doctor see their patient's medication history (pharmacy fills & insurance claims) and prescribe medications with knowledge of the patient's insurance plan's drug coverage, copays, preferred alternatives, prescribing rules, etc. Presented at EMPEX 2018: <https://www.youtube.com/watch?v=CUvif-levqk>
 - Received "Outstanding Achievement Award" & \$500 prize from CEO, July 2017
 - Built many features in Ruby/Rails, including AARP project & integration with Analyte Health
 - Gave internal talks on Elm, Kafka, event sourcing, CQRS, DDD, the saga pattern, Docker, optimizing tech debt, and machine learning, AI, & healthcare applications.
- April 2013 - March 2015* *Hedgeye.com, Developer (Ruby/Rails)*
- Developed many Ruby/Rails features
 - Built Elasticsearch servers and implemented the ELK stack & website search
 - Introduced Excel-based researchers to the Python/Pandas/Matplotlib/ScikitLearn ecosystem
- Early 2012 - Early 2013* *AmicusHQ & Stylitics, Developer (Ruby/Rails)*
- 2005 - 2011* *PowerMandarin.com, Developer (Ruby/Rails & Javascript/JQuery)*
As stay-at-home dad, learned Rails, Javascript, JQuery, & R. Built free website for learning Chinese with pop-up definitions, text/audio/video content, & automated word lists personalized per user/article. Also wrote unfinished books, including www.RaisingMatureKids.com and *Scamocracy*.
- 2003 - 2005* *PatriotsBook.com, Author & Developer (PHP)*
Wrote *Management Secrets of the New England Patriots, Vols 1 & 2*; built website to market/sell them
- 1999 - 2003* *Perfect.com, MeetChina.com, and OptimalHome.com (my startup)*
Fell in love with tech as product development manager & database architect/administrator

EDUCATION

Stanford University: Ph.D., Economics & M.A., East Asian Studies
London School of Economics: M.Sc., Economics
Harvard University: A.B. (*magna cum laude*), Government

CURRENTLY LEARNING

Elm, Haskell, Kubernetes, GraphQL/Absinthe, Scala, RxJS, and event-driven architectural design.