

Patrick M. Riley

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Senior engineer with a passion for software architecture and building resilient, responsive, and elastic enterprise services. Consistent track record achieving business goals in agile software environments with synergistic teams.

- *Over 15 years of software experience across the technology, healthcare, and financial sectors*
- *Deep tech industry awareness and understanding, enabling informed product & architecture decisions*
- *Strategic expertise at building highly scalable, observable, and fully tested software services and applications*

PROFESSIONAL EXPERIENCE

Okta, Inc. (Formerly Auth0)

San Francisco, CA

Senior Fullstack Engineer (CIC/DX)

2021–Present

- Delivered Guide by Okta AI, a machine learning & natural language interface for navigating the Auth0 stack. Involved with all aspects of service design, development, and implementation. 2024
- Developed deep understandings about several enterprise service subjects during this effort: event-driven architecture, generative AI & ML, service observability & telemetry, service auth, service RPCs
- Developed self-serve SSO service for SaaS app consumers alongside DX/IAM teams. 2024
- Attended AI Summit New York. Dec. 2023
- Core developer behind the new Management API Explorer for the Auth0 Docs site, leveraging OpenAPI3 and several Auth0 management services. Mid 2022 - Mid 2023
- Contributed several enhancements & services to the core Auth0 Dashboard, including an end-to-end notifications service. Also worked on the multiple host environment per locality effort, a major 2021 scaling initiative. 2021 - 2022

Cisco Systems, Inc.

Durham, NC

Software Architect (CX Labs & Global servicing)

2019-2021

- Architected new greenfield TypeScript/React/GraphQL application for the CX Labs servicing center.
- Implemented Apollo GraphQL integration with a Python Graphene backend. Obtained deep experience with GraphQL modeling, caching, file uploads, and TypeScript integration.
- Interfaced daily with the business and helped design the new solution. Responsible for sprint planning, backlog management, code reviews, source code management, and delivery.

IBM (Formerly Red Hat)

Raleigh, NC

Senior Software Engineer

2016 - 2019

- Implemented several application UI improvements to OpenShift 4.1 & 4.2, Mid 2018 - 2019
- Contributed application support to Red Hat Subscriptions, Red Hat Insights Summer 2019
- Senior developer on the CloudFluents infrastructure migration solution, a key 2018 strategic initiative demonstrated during 2018 Red Hat Summit keynote
- Spoke at national tech conferences All Things Open (Raleigh 2017), and Dev Nexus (Atlanta 2017)

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K4Connect, Inc.

Senior Fullstack Engineer

Raleigh, NC

2015 - 2016

- Developed and supported K4Community iOS/Android app. Added major features including iCloud photo support, OpenTok/webRTC video chat, and health metrics integrations.
- Supported the K4Community dashboard, MongoDB/Express/AngularJS app for tracking community metrics
- Tested and interfaced web & mobile apps with several K4Connect hub controlled devices including smart light bulbs, thermostats, bed sensors, and Garmin health trackers.

EDUCATION

North Carolina State University, Poole College of Management

Masters of Business Administration, Innovation Management

Analytics & Machine Learning Practicum, Eaton Corp., Fall 22'

Raleigh, NC

May 2023

University of Louisville, J.B. Speed School of Engineering

Bachelor of Science, Computer Engineering/Computer Science

Presidential Trustees Scholar, Graduated with Honors, ACM International Collegiate

Programming Regional Finalist

Louisville, KY

August 2009

Professional Development and Ceritifications: Coursera iOS App Design and Development, Microsoft Technology Specialist: .NET Framework, SQL Server, HTML/CSS

ADDITIONAL SKILLS

- Server programming languages: Node.js (TypeScript), Python, C#.net
- Native: C/C++ & embedded
- Cloud environments: AWS, Digital Ocean, Heroku, Cloudflare
- Databases: MongoDB, Postgres, SQL Server, Redis (in-memory)
- Orchestration: Docker, Kubernetes, Terraform
- Observability: Datadog, OpenSearch, Sentry, PagerDuty
- APIs: OpenAPI, GraphQL, gRPC/protocol buffers
- Mobile: iOS /Swift, React Native
- Web, UX & Design: RxJS, React, Angular.js, CSS/HTML, Styled, Figma, Sketch
- Analytics & DWH: R, SAS JMP, Power BI, Snowflake, Tableau
- Collaboration & Agile: Atlassian suite (JIRA, Confluence), Miro, Trello, Slack
- Diagramming: LucidChart, Mermaid, DIA
- Office & Google Docs: Word, Excel, Forms, Powerpoint