David Rinck

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EXPERIENCE

Atonix. Overland Park, KS *July 2020 - Present. June 2018 - May 2019*
Senior Software Engineer

- Software startup that is a spinout of Black & Veatch, a global engineering company. Leading the migration of a large 5 million+ lines of code legacy AngularJS and .NET Framework application into AWS Lambda Containers, .NET Core, and Angular. CI setup with Azure Devops for multiple Angular applications and containers.
- Migration of user authentication to AWS Cognito for integration with external identity providers (SAML).
- Data Explorer. An interactive application for exploring alerts data and saving data visuzalizations. Built with Reactive Architecture - streams handle channels of communications for events, and react to each event.

Daupler. Kansas City, MO *Sep 2019 - Aug 2020*
Lead Software Engineer

- Techstars Kansas City Cohort. Designed classification method with Distilbert and Pytorch for labelling call descriptions. Classified if a call was for water, sewage, police, etc. and if call was an emergency or not. Integrated with a front-end website so a human operator would be flagged if something was deemed an emergency, or the user could classify a call as an emergency (Human Assisted AI). CICD with AWS Codebuild and AWS ECS.
- City Texting Utility. Users could select city regions by drawing polygons or selecting water system pressure zone or storm drainage basin on a map to send mass texts for boil orders, etc.

symplr - Healthcare Compliance + Credentialing. Overland Park, KS *May 2019 - Sep 2019*
Lead Software Engineer

- Led a nearshore team to deliver SaaS application for the automation of pdf form filling of provider data. Used a microservice architecture with NodeJS, .NET Core and Kafka running on Kubernetes (Azure) designed by Ben Capps (Stackify).

University of Kansas. Overland Park, KS *Nov 2017 - Jun 2018*
Data Analytics Instructor - Night Class

- Evening instructor for the Data Analytics Bootcamp at KU. It was a hands-on curriculum of Spark2, SQL, Python, Pandas, Scikit-learn, and Flask

Homer Energy. Boulder, CO *Aug 2013 - Sep 2018*
Senior Software Engineer

- Started working there when it was a small startup. Successful exit to Underwriters Laboratories (UL). We took the core National Renewable Energy Laboratory algorithms for microgrid design, modernized them, and made the core decisions available through a Python / Matlab SDK so that researchers at ABB, Siemens, US Navy, and UL could interface with them. Also made an easy to use web or desktop interface using the same core code base.

RBC Medical Innovations. Lenexa, KS *Oct 2012 - Aug 2013*
Embedded Software Engineer

- Member of software development team for FDA Class III life-saving medical device, the Philips V680 ventilator. Developed iPad app with Bluetooth LE connectivity to medical device.

Sable Systems. Las Vegas, NV *May 2011 - Oct 2012*
Software and Firmware Developer

- Developed software and systems used in university and pharmaceutical research.

CERTIFICATIONS

- **AWS Certified Solutions Architect: Associate.** Credential ID YY45HD72J2EEQ95B. Issued Feb 2019. Expires Feb 2022

- **Microsoft Professional Program: Data Science.** Credential ID 288f4dde-8f03-4113-b971-4997934ec184. Issued May 2018

Programming Skills

- **Skills** : C# (Asp.Net Framework / Core / .NET 5), Python (Pytorch, Django/Flask), Typescript (Angular 12, Node, some React). SQL (SQL Server, SQL Server Integration Services, PostgreSQL), NoSQL (DynamoDB)

Education

- **Columbia University, School of Engineering and Applied Science**. New York, New York   *May 2011*

  Master of Science. Mechanical Engineering; GPA: 3.63

  Our multidisciplinary research group created software for the Earth Institute. Designed a cloud-based data acquisition system for home energy monitoring with Python and Google App Engine.

- **University of Missouri, Kansas City**. Kansas City, MO   *May 2009*

  Bachelor of Science. Physics; GPA: 3.9

  FIRST Robotics Team - Software Team Lead.