

Kyle Jackson Rebstock

2202 Leafstone Dr. Covington, GA 30014 • United States • 2283835159 •
kylerebstock.connect@gmail.com

Leadership / Technical Direction / Engineering / Automation SERVICE~MEDICAL~PHARMACEUTICAL~AUTOMOTIVE~OPEN SOURCE

- 14+ years of experience in Software Architecture and Leadership roles.
- Full Stack, Principal Software Engineer proactive and curious seeking high impact.
- Highly motivated, competitive, passionate in stakeholder collaboration.
- Reputation for taking on "Goliath" projects and setting new industry standards.
- Expert knowledge of Full-stack TS/JS/node, Dotnet, Microsoft technologies
- Strong working knowledge of AWS and Azure
- Practices SOLID, FP, TDD, DDD, CI/CD, CUPID, GRASP, Test Pyramid.
- Inspiring colleague, coach, and mentor with experience fostering engineering maturity in multiple organizations.
- Huge proponent of many Gang of Four designs and principles
- +1.5 years in Leadership guiding a department of 45+.
- See ***Obsessed With Tech*** for more on Final Page.

Technical Competencies

<u>Proficient</u>	<u>Experienced</u>	<u>Familiarity</u>
<ul style="list-style-type: none">• C#, .NET, MVC, .NET Core, MSSQL• Azure, CI+CD, AWS• MySQL, NoSQL, Postgres• Blazor, Razor, ASP.Net, OOO• React, Typescript, Javascript• Node, Express, TDD	<ul style="list-style-type: none">• T-SQL, Docker, Jira• PowerShell, bash, Unix• CSS, SASS, LESS• TFS/VSTS• Functional Paradigm• Angular, CWE	<ul style="list-style-type: none">• GraphQL, Unity 3D• Django, Python, Ruby• M. Learning with tensorflow.js• Robotics with Johnny-Five JS• Elm, F#, C++, C, Java• Elastic Search, Solr Search

Achievements

Direction, Design, and Development

- Awarded 6 times publicly by the National Automotive Dealership Association.
- Increased sales by \$20 million in the first 24 months with a customer base of over 20 million guided by regional A/B testing.
- Converted entire infrastructure with Terraform reducing costs by \$200k/year
- Reduced time-to-market by 50% servicing multibillion-dollar clients
- Improved call center solutions, saved \$100k/year; increasing NPS scores by 25%.
- Reduced costs on expensive databases by \$80k per year around 40% CPU saved.
- Maintained 13 environments available with four 9s of uptime

- Implemented integrations with over 30,000 auto parts distribution centers
 - Designed and implemented search, responding ~50 ms from 50 million records.
-

Experience

Driverse a DRB Systems Company:

09/2021 to Present

Sr. Eng. Manager ~1.5 years, Sr. Engineer for 6 months

Impact: Processed over 10,000,000 records/sales for our primary Enterprise customer Take5/DrivenBrands at over 1000 stores, over 300,000 monthly, and over \$50 million gross in 2 years from the inception of the Driverse Shop, Lube, & Sales solutions.

Tech Stack: docker (Linux) interoperable, Azure, dotnet, EF Core, MediatR, MS SQL, React-Native, TypeScript, JavaScript, Blazor, MS Test, JMeter, NSWAG, CosmosDB/MongoDB, Azure Queues, websockets/SignalR, dotnetbenchmark, JetBrains dotTrace + dotMemory, MS Test + AutoFac, Gitflow, Telerik, BootStrap

- Implemented integrations with over 30,000 auto parts distros.
 - dotnet, MS SQL, CosmosDB, PartsTech 3p vendor, NSWAG generated C# httpclients
- Generated NSWAG 2 API HTTP clients for 3 web client applications
 - Saved thousands of hours maintaining code.
- Implemented Blue/Green
 - Immediate deployment/rollback; zero downtime
 - Azure - App Services, MS SQL, CosmosDB, Blazor, C#, blob storage, browser storage, Swagger, Azure Monitoring, Azure Workbooks
- Led Unit Test coverage efforts attaining 35k lines of coverage
 - MS Test - AutoFac
- Led load-testing efforts to prove scalability
 - JMeter with BlazeMeter
- Implemented LogRocket improving CS NPS scores by 30%.
- Led department of 45+, 2 years in a row with higher-than-average bonus payouts.
 - SonarQube, SonarLint, CWE, and vulnerability management
- Delivered a 50% reduction in time-to-market
 - Reports velocity, throughput, lead time, defect, burndown, downtime, and SLA adherence

- Led teams attaining 95% of biweekly commitments over 24 months.
- Provided daily updates to the leadership team.
- Delivered on SOC 1 Type 1 and Type 2 Audits with 0 exceptions or CUECs.
- Led cross-functional departmental efforts ensuring organization-wide success.
- Maintained 13 infrastructure platforms/environments.
- Improved employee satisfaction (NPS) by 30%.
- Created and implemented a Release Process for all products.

Oncolens LLC:

03/2020 to 09/2021

Sr. Eng. & Team Lead

Genre: Healthcare HIPPA & ADA, Medical Data processing, EMR integrations, Scheduling, Marketing, Automation

<https://www.oncolens.com/>

Impact:

8,000 users, and 730 locations.

- Converted an entire AWS infrastructure to Terraform in 1 year reducing costs by \$200k/year. - Leading role involved with Infrastructure, DevOps (AWS), Engineering, and QA Automation.
- Completed 2 government grants to help inform cancer specialists of the newest technologies for treating patients more successfully.
- Implemented design, architecture, and integrations with 2 large Electronic Medical Records (EMR) systems including Athena and EPIC.
- Led the efforts for a mobile app on IOS and one Web App built with a Microservice Architecture on dotnet/.net
- Led development efforts on the Oncolens web portal consisting of
 - Scheduling management for admins & office staff
 - Oncology Data Analytics, Conferences, and Reporting
 - Electronic Medical Record EMR processing, and QA process
 - Administrative tools
 - Analytics and data processing using .net core, NestJS, and AWS Lambda with MySQL and PostgreSQL.
- Gathered acceptance criteria and converted the business logic to business value.
- Design, develop, implement, and maintain public-facing and internal applications and architecting real-time and cloud-based solutions using AWS.
- DevOps, Automation, Continuous Integration, and Continuous Delivery: design implementations using Azure pipelines, and AWS tools.

- Code, document, test, and automate:
 - Dotnet, Dotnet core, C#, Javascript, Node, Typescript, ReactJS
 - Mysql, Postgresql, Dynamodb, DocumentDB
 - Swagger, Postman, DataDog, Logrocket
 - Real-time websockets with Pubnub and signalR
 - AWS solutions including scheduled serverless lambdas.

Aveanna HealthCare:

03/2019 to 3/2020

Sr. Software Engineer & Team Lead

Healthcare HIPPA & ADA, Payroll, Scheduling, Medical Data processing

<https://www.aveanna.com/>

I played a leading role for several teams involved with AveannaConnect and AveannaEVV. Other roles included contributing to the design, implementing architecture, and integrations with several large (EMR) Electronic Medical Record systems, and payroll systems.

1: Two React mobile apps on IOS and Android for scheduling shifts and tracking time for caregivers.

2: One Web portal consisting of:

- 1.1 Scheduling management for scheduling in-home healthcare
- 1.2 Time tracking and shift management for nurses
- 1.3 Electronic Medical Record EMR documenting and processing, and QA process
- 1.4 Administrative tools

3: Analytics and data processing using .net core background processes and Jitterbit with SQL server and MySQL.

Impact:

Built to scale - 80,000 users

4,000 caregivers, 26 locations, and over 100 million dollars of medical records and payroll data being channeled through the application workflows. 80,000 caregivers at around 150 office locations throughout the United States account for processing several billion dollars in patient care annually. Both apps published to the App Store and the Play Store. I lead the teams from project inception to full public release.

- Gathering acceptance criteria and converting the business logic to business value.
- Design, develop, implement, and maintain public-facing and internal applications and architecting real-time and cloud-based solutions using AWS.

- DevOps, Automation, Continuous Integration, and Continuous Delivery: design implementations using Azure pipelines, and AWS tools.
- Code, document, test, and automation:
 - Dotnet, Dotnet core, C#, Javascript, Node, Typescript, ReactJS
 - SQL Server, Mysql, Jitterbit, Windows background processes
 - Swagger, Postman, NewRelic, App Dynamics, Sentry, Logrocket
 - Sockets with socket.io: real-time chat and notifications
 - AWS solutions including serverless lambdas.

EleadCRM / CDK Global:

08/2013 to 03/2019

Sr. Software Engineer & Architecture Team

Genre: Web Platform, CRM/Customer Relationship Management

<https://www.lead-crm.com>

Released innovative sales tools in the Automotive Industry leading to over \$15 million in sales within the first year.

- Responsible for everything in SDLC from idea to public release.
- Gathering acceptance criteria and business logic.
- Design, develop, implement, and maintain public-facing and internal SaaS applications, including some existing legacy web APIs.
- Code, document, test, and automation:
 - Dotnet, Dotnet core, C#, Javascript, Node, Typescript, ReactJS
 - SQL Server, Mysql, Jitterbit, Windows background processes
 - Selenium, Nunit, Cypress, Chai, Jasmine, Wallaby, Browser Stack, Fiddler
 - Swagger, Postman, NewRelic
 - Use of Web workers, Service workers, sockets with socket.io and SignalR
 - Use of HTTPS, Pop3, SMTP using Twilio API, and on prim f5 load balancing
- I have received 6 National Automotive Dealership Association awards
 - May 2016: 2 Platinum awards CRM and digital marketing platforms
 - April 2017: 2 Auto Website Awards (AWA) for CRM and Service Drive-Gravity
 - March 2018: Sales Process Award and a Vanguard Award for Dealbuilder
 - Real-time quotes and calculations with taxes to the penny for all 50 states, including city and zip code.
 - The Vanguard Award was a new category that year, given to a product leading the way in new developments for the automotive industry.

Fantasy Sports League:

01/2017 to 01/2019

- Non-disclosure.
- SQL, MVC, C# - Code, document, test, and database design

Pharmedio Inc. CRM

03/2012 to 08/2013

<https://www.crunchbase.com/organization/pharmedio-inc>

Team Lead Developer

Genre: Web Platform, CRM/Customer Relationship Management

Full-stack development, as a developer released innovative sales tools in the Pharmaceutical and Medical Industry that led to \$10 million in sales in the first year.

- Design, develop, implement, and maintain public-facing and internal SaaS applications.
- Code, document, test, and database design as needed. Investigated and solved live production issues for public-facing web applications.
- Use of PHP, CakePHP, JS, HTML, CSS, and MySQL
 - Implemented some features and standards of CakePHP 3.0 used today.

NPM package alpha version React-hyperscript-helpers **2/2015 to 3/2015**

- High of 10k downloads/week, and over ~100k total downloads from NPM
- <https://www.npmjs.com/package/react-hyperscript-helpers>
- JS, JSX, HTML, CSS, ReactJS, NPM, git

2015 ReactJS Certified:

<https://www.testdome.com/cert/70c02f1450d84d6c919d6f29a3921269>

2015 C# Certified:

<https://www.testdome.com/cert/bf79a61215594c69b6b1a8fccbf90d1e>

Mogobox.co LLC: <http://mogobox.com>

1/2011 to 8/2015

Tech Lead Developer

Genre: Web Store Front

- Design, develop, implement, and maintain public-facing and internal SaaS applications.
- Code, document, test, maintain, and enhance existing web applications and APIs.
- Use of Magento, PHP, JS, HTML, CSS, and MySQL

Core Computer Solutions LLC:

1/2009 to 3/2012

Owner/Manager/Developer

Genre: Service

With a passionate team of 7, I contracted custom hardware designs & software solutions internationally. Serviced companies in the medical industry ranging from gynecologists to veterinary clinics.

Tax calculator with macros: 8/2015

- C#, XML, WPF

Sonitus: 3/2014

- Genre: musical/RPG (game)
- Technologies: Unity 3D, JavaScript, C#

CakePHP 3 beta custom templates 1/2014

- Worked directly with the CakePHP authors improving beta v3 by implementing today's industry standard for custom templates.
- <https://stackoverflow.com/questions/26068782/cakephp-3-multiple-custom-template-formhelpers>

Sync and Destroy: 8/2013

- Genre: Security, Android App
- Technologies: Java, Android Studio, XML
- Tamper proof, auto storage backup, encryption, password protection.

NCS4 Evacuation Training: 2012

- Genre: Public Safety, Crowd Control Strategies
- NCS4 - National Center for Spectator Sports Safety and Security
- Created online interactive training courses for the USM Police Department and University faculty.

MyUSM Resources Eagles Nest: 2011

- Genre: Productivity, Web App
- Technologies: CakePHP, Bootstrap, JavaScript, HTML5, and CSS
- Share hard-to-find resources across campus via geolocation tips.

Over 671k developers reached with my expertise and knowledge.

- **Medium:** <https://medium.com/@kjr247>
- **LinkedIn:** <https://www.linkedin.com/in/kylerebstock>
- **Github:** <https://github.com/kjr247>
- **StackOverflow:** <https://stackoverflow.com/users/3011819/urasquirrel>
- **Twitter:** <https://twitter.com/kjr247>

Education

- B.S. Computer Science, University of Southern Mississippi 2009-2013

- Focus - software engineering and security.

Scholastic Awards

Curricular

- Dean's List

Extracurricular

- Alumni & Active member of the ACM

USM, Air Force Reserve Officer Training Corps:

- Awarded Top Performer 3 years in a row.
- Tested in the top 10% on the AFOQT (Air Force Officer Qualifying Test)
- Offered a highly competitive slot for training as an LT in the US Air Force which I turned down to focus on my B.S. in Computer Science.

Obsessed with Tech

As soon as I'm awake (5:00 am), with coffee and bagel in hand, I am already reading Hacker News, and getting updates on the latest and greatest in Tech. I have a daily routine of compulsively scouring through the kaleidoscope of docs, Github issues, and online community backlogs (Discord, HackerNews, RSS feeds, Quora, StackOverflow, devdocs.io). From home, I often experiment with cutting-edge and bleeding-edge technologies. I believe that understanding the difference between the two is a critical distinction to make.

A bit about me.

I find a great deal of pleasure in being an inspiration, source of energy, and motivation to those around me. I enjoy anything competitive, as well as some relaxing walks/runs while listening to podcasts or books. I am avid about sports and run a soccer league. I love freediving, golf, tennis, rock climbing, traveling, boats, cars, cooking, and playing instruments including piano, guitar, and ukulele. I love to teach. For the last 5 years, I have spent about 3 hours a week teaching software and soft skills 1 on 1 with several mentees. As a very curious person, lately, I have been enthralled with Data Science.