

Aaron Rumery

Senior Software Engineer

Manchester, NH | +1.603.631.6284 | hello@aaronrumery.com | [LinkedIn](#) | [GitHub](#)

Forward-Thinking Senior Software Engineer showcasing over ten years of developing innovative technologies to improve user experiences and resolve complex problems. Strategic, influential leader experienced in co-authoring specifications, design documents, documentation, and other training and educational content. Committed to serving as a versatile, collaborative, and enthusiastic team leader with a passion for tackling challenges across the full stack.

Career Highlights

- ★ Developed fault-tolerant data pipelines to reduce downtime and increase data throughput at Kraken.com.
- ★ Increased inventory placement speed tenfold and enhanced user engagement metrics through Elixir and Erlang/OTP at Cars.com.
- ★ Partnered with diverse teams at Cars.com to gather requirements and find a balance between user experience, architecture, and functionality.

Core Competencies

Amazon Web Services | Coding | Design Reviews | Code Review | Feedback | Style Guidelines | Documentation | Educational Content | Product Updates | User Feedback | Triage Issues | Service Operations | Quality Assurance | Product Development | Stakeholder Management | Architectural Design | Scalability | Performance Optimization | Mentoring | Leadership & Collaboration | Version Control | Continuous Integration | Deployment Automation

Professional Experience

Kraken Digital Assets Exchange | Remote

2021 - 2024

SENIOR SOFTWARE ENGINEER

- Reduced downtime 2% and increased data throughput 11% by engineering fault-tolerant data pipelines through Rust, TypeScript, and Golang.
- Cut message processing latency by optimizing Kafka-based data ingestion and processing to ensure 99.9% data delivery reliability.
- Decreased operational costs 5% and improved scalability by architecting AWS infrastructure that supported data-intensive applications with 99.99% uptime.
- Developed analytics frameworks to enhance actionable insights extraction efficiency, drive data-driven decision-making, and improve product performance.
- Reduced bugs and improved code maintainability in Node.js projects by leading TypeScript adoption to accelerate feature delivery.
- Delivered resource savings by developing and implementing automation strategies to reduce manual intervention and improve workflow efficiency.
- Improved code coverage metrics 17% and increased team productivity by fostering a culture of continuous improvement among junior engineers.
- Increased employee satisfaction by cultivating an inclusive environment and advocating for team cohesion and innovation.

Cars.com | Remote

2017 - 2021

SENIOR SOFTWARE ENGINEER: 2019 – 2021

SOFTWARE ENGINEER: 2017 – 2019

- Promoted to Senior Software Engineer by delivering exceptional results and demonstrating leadership potential.
- Accelerated inventory placement tenfold with Elixir and Erlang/OTP, leveraging GenStage, Flow, and streaming technologies.
- Increased user engagement metrics by implementing the Elixir Phoenix Framework to improve user experience and functionality across multiple dimensions of the Cars.com website.
- Reduced costs 3% and improved user satisfaction by engineering a greenfield dealer management system, automating dealership and inventory data on our platform.
- Enhanced search speed and precision 30%, improving customer retention 6%, by deploying advanced search functionality powered by Elasticsearch and Redis.

- Decreased data discrepancies by integrating APIs from various third-party vendors.
- Achieved a balance between user experience, architecture, and functionality by facilitating collaboration with cross-functional non-technical teams to gather requirements.
- Reduced post-launch issue resolution time as a co-author for specifications, design documents, and documentation.

MVPindex | Dallas, TX**2017****SOFTWARE ENGINEER**

- Reduced processing times 15% using Node.js, Kafka, SQL, Elasticsearch, and AWS.
- Improved audience segmentation by collaborating with data scientists on Facebook data to develop advanced demographic models.
- Increased user acquisition and retention by integrating OAuth for multiple social media logins.

ZEFR | PROVO, UT**2015 – 2017****SOFTWARE ENGINEER**

- Boosted collaboration among internal marketing teams and external partners by developing and deploying an Influencer Management System (IMS).
- Enhanced campaign insights by designing and implementing data extraction and analysis procedures to monitor daily social media posts from top influencers.
- Increased campaign engagement 35% and reduced acquisition costs 10% by enhancing influencer discovery and targeting precision in ad campaigns with advanced faceted search features.

Previous Roles:**Web Developer** at About Time Technologies, LLC: 2014 – 2015**Technical Supervisor** at Bluehost: 2012 – 2014

Education**Extended Studies Machine Learning Engineering Bootcamp***UC San Diego, Online: Anticipated 2025*

- **Relevant Coursework:** Deep Learning, Computer Vision and Image Processing, The Machine Learning Engineering Stack, ML Models at Scale and In Production, Deploying ML Systems

Certificate Of Completion, Full Stack Software Engineer*DevMountain, Provo, UT: 2015*

- **Relevant Coursework:** HTML 5 & CSS3, JavaScript, Git & GitHub, jQuery, AngularJS, Test-Driven Development, Node.JS, Databases

Coursework toward a Bachelor of Science (B.Sc.) In Computer Science*Utah Valley University, Orem, UT: 2011 – 2012*

Technology & Technical Skills

Programming Languages:	Rust, TypeScript, Node.js, Golang, Elixir, Python
Frontend Development:	HTML, CSS, React, Angular
Backend Development:	Express, Koa, NextJS, Apollo Server, Phoenix, Rocket
Data Engineering:	Kafka, Airflow, Spark, Broadway, Bull, Oban, Rayon, Tokio
Databases:	Elasticsearch, Solr, PostgreSQL, MySQL, MariaDB, ScyllaDB, Redis, MongoDB, DynamoDB
Development Tools:	Git, GitLab CI/CD, GitHub Actions, CircleCI, AWS CodePipeline, Docker, Kubernetes, Nomad
Software Testing:	Unit testing, property-based testing, integration testing, Mocha, Jest, Chai, ExUnit, PhantomJS, Puppeteer, Selenium
Cloud Technologies:	AWS
Development Methodologies:	Agile