# Work Experience

**MagMutual**

**Software Architect** April 2023 – Present

* Architected, designed, and implemented all new systems and integrations, ensuring scalability, security, and alignment with business objectives.
* Pioneered AI initiatives, including the design of a chatbot using a RAG model to enhance user interaction with context-aware responses, and developed an OCR-driven document processing pipeline that streamlined operations.
* Vetted all vendors and external applications for security and design integrity, setting high standards for partnerships and integrations.
* Applied TOGAF methodologies in collaboration with C-level executives to align architectural solutions with strategic goals, delivering measurable business value.
* Streamlined the Architecture Intake Process to improve efficiency and ensure seamless handoff of projects to development teams.
* Established and led an Architecture Review Board, centralizing architectural decision-making and strengthening cross-team alignment on impactful projects.
* Developed standards and best practices for developers, laying the foundation for consistent, high-quality development across teams.
* Designed a new architectural schema to support the company’s future growth and modernization efforts , including AI-enabled features for enhanced automation and data insights.

**Engineering Manager** June 2021 – April 2023

* Led a team of 18 developers to deliver enterprise-grade APIs, achieving a 125% improvement in deployment speed and reliability.
* Increased platform team efficiency by 40% and reduced production incidents from over 5 per week to fewer than 1 per month.
* Collaborated with lead developers to reduce cloud costs by over 50%, implementing cost-saving measures and efficient resource utilization.
* Established code style guide standards for supported languages and coordinated proper code review practices, ensuring consistent code quality.
* Organized the company’s first internal Hackathon, fostering innovation and team engagement.

**Lead Fullstack Developer (contract)** July 2020 – June 2021

* Pioneered the first Go microservice in the company’s architecture, expanding the tech stack and enhancing system performance.
* Built a comprehensive CI/CD suite with GitHub Actions using trunk-based development, supporting a full suite of tests and environment deployments.
* Led the transition of the main website from an external vendor to the internal team, establishing internal ownership and improving responsiveness.
* Coordinated daily work items for a team of 3 developers, ensuring alignment and timely delivery of key features.

**Indeed**

**Software Engineer I**, Austin, TX June 2020 – January 2021

* Owned and maintained core build systems supporting over 2,500 developers, ensuring consistent performance and scalability across projects.
* Led the migration of 5,000+ repositories from a heavily customized Gradle fork to open-source Gradle, streamlining build processes and reducing technical debt.
* Collaborated on upgrading the tech stack by designing and implementing a migration path from Java 8 to 11/17, enhancing performance, and enabling modern development practices.
* Managed and supported our Sourcegraph instance and batch-change wrapper, facilitating code search and refactoring at scale.
* Led onboarding for new Frontend-Build engineers, ensuring they quickly adapted to tools, processes, and best practices.

**Verizon Wireless**

**Scala Developer**, Austin, TX October 2019 – July 2020

* Developed scalable microservices for fraud detection, processing millions of transactions in real time with Akka streams, Akka cluster sharding, and Kafka
* Followed test-driven development to build robust Scala unit and integration tests with Flatspec and Gatling, ensuring biweekly deployments met quality standards.
* Implemented reusable Akka stream utilities and designed persistent/non-persistent actors with Redis for data snapshots, enhancing the flexibility and resilience of distributed applications

**FinListics Solutions**

**Developer**, Alpharetta, GA September 2018 – April 2020

* Led modernization efforts for a high-traffic legacy system accessed internationally, developing 50+ REST API endpoints using .NET Core 2.2 and utilizing MS SQL Server for data analytics.
* Automated CI/CD pipelines for .NET Core web apps and static Angular websites, while managing technical tasks and guiding contractors
* Mentored an intern on best practices in Angular, .NET Core, .NET Framework, Azure, and MS SQL Server within an Agile environment.

**MagMutual**

**Developer**, Atlanta, GA May 2018 – March 2019

* Maintained and supported cloud infrastructure, ensuring continuous integration and deployment pipelines ran smoothly, and implemented auto-scaling build servers.
* Facilitated an Agile transition by setting up Jira, Confluence, Slack, Jenkins, Splunk, and Datadog, and mentored three interns on best practices for database and data manipulation projects.
* Led data extraction and reporting efforts by using SQL and Pentaho to pull data from Oracle databases, providing insights for a reporting agency.

**Bridge2** **Solutions**

**Associate Software Developer**, Alpharetta, GA May 2017 – May 2018

* Sole architect and developer for a Voice Assistant platform, filed a patent for loyalty point redemption via virtual assistant
* Established a Zero-Downtime Deployment (ZDD) environment across multiple environments, serving as the primary DevOps Engineer for the team

# Education & Certifications

**Kennesaw State University**, Marietta, GA

Bachelor of Science in Computer Science, GPA 3.55

**Projects & Contracts**

**Lumisync.io**

* Sole developer & Architect for startup
* Responsible for designing and implementing entire stack of the startup
* Ensured the application is performant when querying and generating PDF over 500 MB and ensuring those PDFs are quickly and easily available to all customer utilizing the data
* Built a UI system to allow users to upload PDFs, annotate them, extract the annotations as images to further process for reference within the application

**Virginia Supreme Court**

* Built & Designed several microservices to aid in the Case Sealing process for the Supreme Court for Virginia
* Utilized Java SpringBoot, Couchbase, and IBM DB2 to aid in the creation

**Sports Handicapping Website**

* Created a Sports Handicapping website built in React which connects to a Java Spring backend.
* Utilized React and Material UI design elements to create a modernized webpage
* The website was built to be fully dynamic and includes a fully functioning admin panel.
* The admin panel handles sport, game, and selection CRUD Operations, on top of handling webpage editing and image updating
* Technologies and languages used React, Java, Spring, REST, Git, TeamCity, YouTrack, IntelliJ IDEA, and WebStorm