# Work Experience

**MagMutual**

**Enterprise Architect** August 2024 – Present

* 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.
* Ensured that all vendors and external applications were properly vetted for proper design & security practices
* 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.
* Established and led an Architecture Review Board, centralizing architectural decision-making and strengthening cross-team alignment on impactful projects.

**Director of Software Engineering** April 2023 – August 2024

* 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.
* Responsible for standards and best practices of over 40 developers building a variety of full stack applications
* Organized the company’s first internal Hackathon, fostering innovation and team engagement.

**Enterprise Architect** January 2022 – April 2023

* Designed & proposed the new design schema for the future architecture of the company
* Responsible for the architecture, design, & implementation of all new systems and integrations
* Coordinated 40 developers across 5 teams on high priority items that impacted all our policyholders
* Worked with other lead developers to reduce the cost of our Google Cloud system by over 50% by applying proper scaling practices
* Responsible for coordinating with executive leadership on all strategic initiatives to understand their impact on systems & teams

**Technical Architect** June 2021 – January 2022

* Coordinated 15 developers across 3 teams to ensure that all apps were efficient and highly scalable within our cloud environment
* Implemented style guide standards for the supported languages within the company (Java, Javascript, Python, GoLang)
* Responsible for coordinating proper code review practices within the technology side of the company
* Handled the transition of the main central website from an outside vendor to the internal team
* Planned the first internal Hackathon within the company

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

* Implemented the first Go microservice into our architecture
* Utilized GitHub Actions to build out a full CI/CD suite that was built on Trunk based development patterns and allowed for a full suite of tests and environments
* Coordinated 3 other developers daily work

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

* Responsible for the core build systems that are used by over 2500 developers
* Coordinated the effort to migrate over 5,000 repos from a highly modified fork of Gradle to OSS Gradle
* Participated in the design & implementation of the migration from Java 8 to 11/17
* Helped design, build, and rollout a new paradigm that would allow any developer to configure & run any repo in our organization
* Maintained & supported our Sourcegraph instance and batch-change wrapper within the organization
* Improved our onboarding process by creating all necessary documentation and organizing it in an easy-to-follow pattern
* Responsible for onboarding new Frontend-Build engineers and getting them up to speed

**Verizon Wireless (contract)**

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

* Developed highly scalable micro-services to detect and avoid fraudulent transactions
* Built distributed applications in multi-clustered environment using Akka cluster sharding
* Implemented generic Akka stream utilities where components of Akka GraphDSL are easily pluggable and reusable across Akka stream applications
* Used Akka streams to develop fraud detection mechanism and processed millions of transactions at very high throughput
* Implemented persistent and non-persistent actors. Used Redis database to store snapshots of persistent actors
* Used Kafka as distributed stream processing platform to process data real time
* Followed test driven development to build Scala unit and integration tests using flatspec & Gatling
* Responsible for successful testing and deployment of developed solutions on a biweekly basis

**FinListics Solutions**

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

* Maintained a legacy system that is being accessed at all hours of the day by clients from at an international level.
* Automated CI/CD pipelines for .Net Core Web-apps, and for static angular websites.
* Responsible for creating the technical subtasks and dividing work for contractors.
* Led the team in the development cycle for modernizing the legacy system.
* Implemented API REST calls using .Net Core 2.2 to create 50+ endpoints to modernize the legacy system
* Utilized MS SQL Server for data analytics and data engineering purposes
* Mentored an intern on the best practices on how to develop within Angular, .Net Core, .Net Framework, Azure, and MS SQL Server in an agile environment.

**MagMutual (contract)**

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

* Maintained the existing cloud servers and created new servers as needed
* Provided support for all servers and applications related to the continuous integration and continuous deployment pipelines
* Analyzed the existing iOS application and determined the best fix going forward
* Utilized SQL and Pentaho to extract data from an Oracle database to create a series of reports for a reporting agency
* Assisted with department-wide agile methodology transition and adaptation (includes setting up Jira, Confluence, Slack, Jenkins, Splunk, and Datadog)
* Implemented automatic scaling build servers for use for our CI/CD pipelines
* Mentored a group of 3 Interns on the best practices to implement their 8-week project that consisted of extracting data out of excel sheet, manipulating the data, and loading it into an oracle database

**Bridge2** **Solutions**

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

* Designed, implemented, and maintained applications that are accessed at all hours of the day
* Sole architect and programmer on our Voice Assistant platform.
* Implemented a ZDD environment across multiple environments using Jenkins, Rundeck, and Chef
* Sole DevOps Engineer within our team
* Technologies used included IntelliJ IDEA, Groovy, SOAP/REST implementation, Gradle, Maven, SpringBoot, SQL Server 2014, Gerrit, Chef, Rundeck, Jenkins, and Linux CLI
* Languages used included Java, Python, SQL, Node.JS, Bash, and Ruby
* Wrote a patent for the redemption of loyalty points through the use of a virtual assistant medium.
* Participated in a Google Design Sprint
* Implemented a Python script that added user test data to a database for multiple teams to analyze

# Education & Certifications

**Kennesaw State University**, Marietta, GA

Bachelor of Science in Computer Science, GPA 3.55

**Azure Fundamentals** **Certification**, November 2019

**Certified Scrum Master,** Scrum Alliance, June 2021

**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