

Andrew Gagliostro

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Summary

Software engineer specializing in backend development and distributed systems. Willing to take on a challenge, whether that be tackling complex problems in a familiar domain or diving deep into something new. Seeking a role where I can contribute to building robust systems at scale for an organization whose impact and innovation excite me and a team that expects excellence and pushes me to grow each day.

Experience

Deloitte Software Factory | Senior Software Engineer

April 2023–Present

Led the design and delivery of distributed infrastructure for cloud native applications. Supported teams of 3-5 developers, managing requirements gathering, software and infrastructure design/deployment, task delegation, and code reviews.

- Led development efforts for Deloitte's Delivery Telemetry Dashboard that fetches, merges, and processes disjointed DevSecOps data points from teams' pipelines, providing actionable insights to improve software delivery processes.
- Spearheaded the implementation, release, and maintenance of custom Java client modules, providing flexible, object-oriented wrappers for the Jira, SonarQube, GitLab, GitHub, Argo CD, and Terraform APIs. This effort streamlined integrations with the supported tools, leading to the libraries' adoption by 10+ teams within the first 8 months.
- Managed the design and delivery of a full-stack, GenAI-enabled code conversion SDK that migrates legacy codebases into modern frameworks - reduced the time and resources required for supported software migration projects by over 65%.
- Architected, developed, and deployed Apache Airflow pipelines on Kubernetes, optimizing distributed data processing tasks and enabling high-visibility workflow management. With KEDA autoscaling to handle increasing workflow volume and complexity, this effort reduced system bottlenecks and slashed processing times by over 35%.
- Handled the implementation and management of CI/CD pipelines, streamlining build processes and Kubernetes rollouts with Helm and ArgoCD to ensure deployment consistency and improve operational efficiency.
- Led the design and implementation of a custom, end-to-end RBAC model, enabling seamless integration with external IAM providers while improving platform security and access oversight.

KPMG Digital Lighthouse | Software Development Engineer

May 2021–March 2023

Worked on the Developer Experience Team addressing cross-cutting concerns within KPMG's digital offerings, focusing on the implementation of developer productivity tooling and MVP accelerators.

- Led the end-to-end design and development of a suite of cross-functional NodeJS and Java Spring APIs and microservices, meeting strict requirements around availability, monitoring, and security.
- Championed the design and development of an Express backend accelerator, serving as a template implementation for internal developers – reduced configuration time by 70%, enabling faster transition to business logic implementation.
- Optimized SQL and ORM queries for database operations, reducing API latency by over 20%.

Personal Projects

[NextJS Application | AI-Enabled Web Analysis Tool](#)

Web application that ingests user-provided links and/or files along with a prompt, processes the links/files, and, utilizing the content of the provided pages as its primary source of truth, delivers the analysis requested in the prompt.

- Utilized: NextJS, MongoDB, RabbitMQ, OpenAI API

Technical Skills

Java, JavaScript, Typescript, Python, C++, HTML, CSS

Spring/Spring Boot, NodeJS/Express, NextJS, React, Angular

SQL, NoSQL/MongoDB, Cassandra, GraphQL, Redis, Kafka, RabbitMQ, Liquibase

Docker, Kubernetes, Helm, Argo CD, AWS (Lambda, S3, EKS, EC2, IAM), Azure, Apache Airflow, Okta

Education

University of Virginia | B.S. Computer Science

2017–2021

Engineering Business Minor | GPA: 3.65 | Phi Eta Sigma Honor Society | HackCville Mentor