

# Aris Tzollas

## Senior Senior Software Engineer

### SUMMARY

Passionate Senior Software Engineer with 7 years of experience excels in building complex web applications leveraging mastery in languages such as JavaScript, TypeScript, C#, Go, and Python. Renowned for architecting a legal SaaS platform yielding a 40% operational efficiency boost and pioneering AI-powered chatbot integration, showcasing a 30% reduction in case handling efforts. Adept in cloud services (AWS, Azure, GCP), microservices, and CI/CD with an Agile mindset, drives collaboration and continuous improvement. Holds a solid foundation with a Bachelor's degree in Computer Science from NTUA, cementing technical prowess in the software industry through contributions to large-scale projects that enhance user experiences, performance, and reliability.

### TECHNICAL SKILLS

<b>Main Technical Skills</b>	TypeScript, C/C++/C#, Go, Python, Node.js
<b>Programming Languages</b>	Go, Java, PHP, Python, Ruby, TypeScript
<b>JavaScript Frameworks</b>	Angular, Node.js, React, Vue.js
<b>C++ Libraries and Tools</b>	C/C++/C#
<b>Java Frameworks</b>	Spring Boot
<b>Databases &amp; Management Systems / ORM</b>	MongoDB, MySQL, Neo4j, Redis
<b>Cloud Platforms, Services &amp; Computing</b>	GCP
<b>Deployment, CI/CD &amp; Administration</b>	Ansible, Jenkins
<b>QA, Test Automation, Security</b>	Cypress, Selenium
<b>Version Control</b>	Github Actions
<b>SDK / API and Integrations</b>	GraphQL, JWT, OAuth, RESTful API
<b>Mail / Network Protocols / Data transfer</b>	GRPC, JWT, WebSockets
<b>Message/Queue/Task Brokers</b>	Kafka, RabbitMQ
<b>Virtualization, Containers and Orchestration</b>	Terraform

## WORK EXPERIENCE

### Senior Software Engineer, Law Practice AI

**Duration:** SEP 2023 - Current

**Summary:** Architected a legal SaaS platform, engineered an event-driven microservice architecture, developed an AI-powered chatbot, optimized database performance, led the migration of a monolithic service to microservices, deployed multi-tenant cloud infrastructure, integrated a document classification system, designed RESTful APIs, enhanced security, automated deployment workflows, managed API Gateway integrations, implemented observability practices, and developed automated testing suites.

**Responsibilities:** Core contributor to architecting and developing the platform, optimizing performance, ensuring high availability, scalability, and security, and leading migrations and deployments.

**Technologies:** ASP.NET Core, Node.js, WebSocket, PostgreSQL, RabbitMQ, Azure Cognitive Services, Azure Kubernetes Service, OAuth 2.0, JWT, Azure Active Directory, GitHub Actions, Kong, Grafana, ELK Stack, Selenium, Cypress

### Full Stack Developer, Discord Inc.

**Duration:** JUL 2022 - MAR 2023

**Summary:**

- Developed backend services for Discord to support millions of users, migrated RESTful APIs to gRPC, designed a high-performance caching system, built a Neo4j-based social graph, integrated OAuth 2
- 0, implemented real-time event streaming, collaborated on data processing pipelines, automated data processing workflows, enhanced user engagement with new frontend features

**Responsibilities:** Involved in backend development, API migration and optimization, database and caching solution design, real-time event handling, data processing enhancements, and frontend feature development.

**Technologies:** Node.js, Go, Redis, Neo4j, OAuth 2.0, Apache Kafka, AWS S3, DynamoDB, Python, React

### Senior Backend Developer, In-House Projects

**Duration:** FEB 2020 - MAY 2022

**Summary:** Designed a real-time monitoring and alerting system, developed a job scheduling system, implemented Kubernetes-based autoscaling, maintained a CI/CD pipeline, built RESTful APIs, optimized cloud costs through serverless migrations, enhanced multi-cloud compatibility, secured data pipelines, built distributed caching mechanisms, integrated RBAC, developed a data pipeline, led the migration to a microservices architecture, designed and optimized databases, implemented observability practices, and developed automated test suites.

**Responsibilities:** Handled backend software design, development and optimization, CI/CD pipeline maintenance, cloud resource management and cost optimization, data security and encryption, microservices migration and database optimization.

**Technologies:** Kafka, Redis, Golang, Horizontal Pod Autoscaler, Cluster Autoscaler, Jenkins, GitHub Actions, ArgoCD, Java Spring Boot, Azure Functions, AWS Lambda, Terraform, Ansible, Azure Key Vault, AWS KMS, Redis, Memcached, Apache Spark, Delta Lake, Python, Node.js, .NET, MongoDB, Cassandra, DynamoDB, MySQL, Prometheus, Grafana, ELK Stack, xUnit, NUnit, PyTest, Mocha, Jest



## **Junior Software Engineer, Various Web Applications**

**Duration:** SEP 2018 - JAN 2020

**Summary:** Developed full-stack web applications, built a real-time customer feedback system, integrated payment gateways, contributed to logistics tracking system development, implemented RESTful APIs, and participated in database migrations and optimizations.

**Responsibilities:** Focused on full-stack application development, payment integration, logistics tracking systems, API development, and database migrations.

**Technologies:** PHP, Java, AngularJS, Stripe, PayPal, RESTful APIs, MySQL, PostgreSQL

## **EDUCATION**

- **Bachelor's degree in Computer Science**

Sep 2014 - May 2018

