Athos Georgiou

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Summary

I am a Lead Software Engineer with experience within the Public and Private Sector (AI and Analytics, Academic, Financial, Power & Renewable Energy). I've worked with Interdisciplinary teams across the globe in Agile, Highly Collaborative Environments, with Rapid Software Delivery Cycles and shown measurable results.

I hold a BS in Computer Science and a BS in Mathematics from the University of Louisiana at Monroe, as well as a MS in Computer Science from DePaul University at Chicago (with a focus in AI, Data Structures & Algorithms).

I'm very passionate about Generative & Conversational AI and an active contributor to several open source projects. (https://github.com/athrael-soju)

Experience

CGI **Principal Software Engineer**
CGI
Mar 2024 - Present (1 month)
Client Engagement:
• Instrumental in driving business growth by strategically managing and engaging with client relationships.
• Conducted comprehensive technical analyses, facilitated resourcing solutions, and offered expert guidance to meet client needs and exceed expectations.

Software Development:
• Core contributor to the Taranta project (https://accelconf.web.cern.ch/icalepcs2023/html/author.htm), focusing on innovative solutions and technical excellence. (React 18, Docker, mongoDB)
• Led the development of the Titanium Project (https://github.com/athrael-soju/Titanium), an Open Source Next.js web application integrating OpenAI's APIs to offer advanced AI capabilities, serving as a cornerstone for AI education initiatives. (Next.js, Pinecone Serverless, Unstructured.io, MongoDB Atlas,)

AI:
• Spearheaded a pilot program to grant AI Assistant licenses, enhancing team capabilities and productivity.
• Developed and delivered a comprehensive AI course with a focus on generative and conversational AI, contributing to skill enhancement across the team.

Governance:
• Established a robust Technical Governance Framework, ensuring alignment with industry standards and organizational objectives.
• Formulated and implemented a SMART Objectives Framework to streamline project management and goal setting.
• Contributed significantly to the adoption of best industry practices, enhancing operational excellence.

Mentoring, Coaching & Training
• Actively engaged in mentoring and coaching team members, enhancing their technical and professional skills, and fostering a culture of knowledge sharing and collaboration.
• Conducted workshops and training sessions on technical and soft skills, contributing to the overall growth and development of the team.

Advisor
Lapis AI Consults
Sep 2023 - Present (7 months)
Lapis AI LLC provides expert insights for businesses keen on leveraging AI in their product development and go-to-market strategies. I am assisting Lapis AI as a Pro Bono Advisor.

Lead Software Engineer
CGI
Mar 2022 - Mar 2024 (2 years 1 month)
• Design and implementation of Microservices, REST APIs and OAuth based architectures. (Node.js, React.js, Docker, GraphQL, OAuth 2.0, Active Directory Azure Cloud)
• Planning and execution of Infrastructure improvements, including Software Version upgrades and Implementation of Static Code Analysis and Performance Measurement Tools. (Node.js, Docker, SonarQube, cAvisor, Prometheus, Grafana)
• Significant involvement in Onboarding, Mentoring and Interviewing new Candidates, as well as Mentoring & Coaching.
• Spearheaded a business wide Technical Governance, involving Best Coding Standards & Practices, SMART Objectives, Team Growth and Training.
• Leading the delivery of Show & Tells, as well as Complete Courses (Typescript, Node.js, React.js, Next.js, Generative & Conversational AI)
• Involvement in the Bid process, involving Research, Planning and Detailed analysis, in collaboration with CGI Leadership and prospective clients.

Sr. Software Engineer
CGI
Mar 2021 - Mar 2022 (1 year 1 month)
• Development and support of Microservices. (Node.js, React.js, Docker, GraphQL, Azure Cloud)
• Concurrently assumed Scrum Master duties for a team of 8, in order to streamline development, resolve defects, maintain Industry best practices and improve delivery.
• Fully accountable and solely responsible for Implementing Automation and Verification of development work for the team. (Java, Cucumber, Serenity BDD, Selenium)
• Maintained all responsibilities and liaised with Senior management under minimal supervision.

Sr Software Developer
GE Power
Feb 2019 - Jul 2020 (1 year 6 months)
• Developed and supported solutions that are aligned with and extend the PhasorPoint Platform. (Java, JS, Spring boot, Hibernate, Python, Maven, Ant, postgresql)

• Applied principles of SDLC and methodologies like Lean/Agile/XP, CI, Software and Product Security, Scalability, Documentation Practices, refactoring and Testing Techniques.
• Lead the Security Initiative to Identify and resolve software vulnerabilities across multime projects (CVEs, Jenkins, Propel, Python, AWS, Tinfoil API + Web)
• Improved IEC-104 Protocol testing for Phasorpoint. (Java 8, Triangle Microworks)

Sr Software Developer
SolarWinds MSP is now N-able
Jan 2017 - Feb 2019 (2 years 2 months)
• Developed and supported a wide range of applications of the SolarWinds Msp Remote Monitoring & Management Platform (RMM). (LAMP stack, Ext4Js, HTML, JavaScript).
• Delivered & supported implementation of new and existing micro-services to the RMM experience via UI enhancements in a continuous delivery environment. (Java, Angular 6, Jenkins pipeline, Lint, HTML, JS, S3, AWS).
• Took an active part in a variety of responsibilities, such as: New candidate Interviews, Overseeing releases to production environments across multiple territories.
• Actively engaged in the Hackathon Initiative, where I implemented significant performance enhancement to an existing service.

Analyst Developer
Student Loans Company
Jan 2016 - Jan 2017 (1 year 1 month)
• Building web products to serve a variety of user needs and implementing APIs for internal and external use. (Java EE, Tomcat, Oracle, HTML, JavaScript, Tapestry, JSF)

• Building up a useful, robust automated test suit to support a Continuous Deployment environment from across Government / open source platforms. (JUnit, Jenkins)

Sharing knowledge of tools and techniques with the wider team, both developers and non-developers. (Agile, Scrum)

Software Developer
SQA – Scottish Qualifications Authority
May 2014 - Jan 2016 (1 year 9 months)
• Full SDLC Experience in Applications based on a given Technical Design Specification in both a Windows and Linux environments. (Java, Ingres, OpenRoad)
• Building application releases, preparing release notes and communicating with the test team so that user testing can be carried out, and where necessary installing the release into the appropriate environment. (Dev, Test, UAT, Live, Release)
• Organized and delivered Java based Workshops with the aim to spread and enrich the knowledge of new staff so they can perform better at their developmental responsibilities. (Introduction to Java, Core Java Fundamentals, Data Structures & Algorithms)
• Key developer of SQA's first Continuous Integration Application, as well as the delivery of the relevant cross-site Workshops for the Project. (Jenkins, SonarQube, JaCoCo, JSCover, Blanket.js, PhantomJS, Ant, Maven, Shell, CVS)

Application Developer - Research Computing

University of St Andrews

Jul 2013 - Feb 2014 (8 months)

• Involved in application development based on the LAMP stack software bundle. (Linux, Apache, MySQL, PHP)

• Administered Linux based servers and applications, hosted by the university.

• Provided support and extensibility for the Comprehensive Knowledge Archive Network (CKAN), a web-based open source data management system.

Software Developer

XAmplifier

Sep 2012 - May 2013 (9 months)

• Engaged as a Lead developer on the xAmplifier project, a complex and powerful Customer Experience Management tool.

• Developed Dynamic, Data-Driven Website content. (Cold Fusion, JavaScript, JQuery, CSS and SQL Server)

• Applied Quantitative, Qualitative methods and metrics to deduct meaningful statistics and produced complex client facing reports and interactive charts.

• Developed a Word Cloud for the company. (Core Java, Cold Fusion and OpenNLP)

Graduate Assistant

DePaul University

Jan 2011 - Mar 2012 (1 year 3 months)

- Provided tutoring services for University students in a broad spectrum of undergraduate and graduate courses and concepts, primarily in Java, Python, SQL, Data Structures and Algorithms.

- Helped Students develop more robust problem solving and programming skills so they can be more efficient in their course work.

Software and Hardware Helpdesk Troubleshooter

University of Louisiana Monroe

2008 - 2009 (1 year)

- Provided Level I/II technical support to resolve moderate to advanced, escalated issues for hundreds of end users including faculty, staff and students on-site and over the phone.

- Configured multiple networks, solved network connectivity issues and imaged multiple systems to specific standards.

- Assisted with training of students, staff and faculty with the use of various computer and operating systems.

Education

DePaul University

MS, Computer Science

2010 - 2012

University of Louisiana Monroe

BS, Math

2002 - 2009

University of Louisiana Monroe

BS, Computer Science

2002 - 2009

Skills

Conversational AI • AWS Polly • Elevenlabs • Next.js • Large Language Models (LLM) • Generative AI • Docker • Langchain • Google Cloud Platform (GCP) • Pinecone

Honors & Awards

DePaul Graduate Assistantship and Tutoring Position - DePaul Univeristy

Nov 2010

Full tuition waiver

Star Award - Account Senior Leadership Team

Feb 2022

Awarded for hard work and determination in seeing project conclusion.

Star Award - Account Senior Leadership Team

Nov 2022

Awarded for leading capture of requirements, collaboration and approach to problem solving.

Star Award - Account Senior Leadership Team

May 2022

Awarded for collaboration, coaching/mentoring, onboarding new team members.

Applaud - Senior Consultant

Jan 2023

Awarded for hard work, Objectivity, Integrity and mentoring.

Certified SAFe 6 Practitioner - Safe Agile

Nov 2023