

Edward Auttonberry

✉ edward@auttonberri.es

🌐 <https://auttonberri.es>

🔗 [zefaxet](#) | [ganondev](#)

Tech

Python

FastAPI, Flask, Django, PyUnit, Extensions API

Java

Spring, Gradle, Hibernate, Kotlin, Scala

.NET

ASP.NET, EntityFramework, C#, Mono

Front-End

TypeScript, React, Angular, Sass, Svelte, Electron

Databases

Postgres, NoSQL, Oracle, Redis, DynamoDB, Redshift

Infra

Bash, AWS, Kafka, Terraform, Serverless, Kubernetes

Windows

MSVC, MSBuild, Windows Driver Foundation

Linux (and friends)

C/C++, Embedded, Kernel Modules, HID

Gamedev

UE4, Unity, Godot, Networking, Shaders

Other

Agile, Debugging, JWT, XSL, IAM, SSO, DevOps, Lambda, Git, CI/CD, WebSocket, MS SQL, RDS, REST

This resume built using [Svelte](#)

Projects

libant

<https://github.com/zefaxet/libant>

Embedded cellular automata engine in C

network-priveleges

<https://github.com/ganondev/network-priveleges>

UE4 plugin for role-based access control

Godot Engine

<https://github.com/godotengine/godot>

Contributor, build system and C# bindings

Employment

Cloud Developer III

Jan 2022 — Present

Hewlett Packard Enterprise

- Develop and maintain the Compute Ops Manager platform
- Scale platform services to support parallel communication with tens of thousands of customer compute devices (iLO)
- Support global multi-region production in daily deploy and real-time defect and health triage
- Enhance and maintain complete stack of UI, asynchronous and synchronous service layer, AWS infrastructure, database administration, integration of real customer-owned servers, and the CI/CD process
- Enable customer awareness of their carbon footprint via development of carbon reporting technology

Application Engineer II

Aug 2020 — Jan 2022

Vanguard

- Program engineer spotlight: September 2021
- Save tens of thousands by optimizing Docker allocations in ECS
- Lead team to develop Electron application and serverless infrastructure to enhance weekly production release cycle
- Overhaul architecture of many complex microservices to utilize resilient event-driven patterns
- Own full stack of Nx Angular UI, hundreds of Java/Springboot microservices, and the AWS resources that power them
- Apply Machine Learning and Monte Carlo simulations to calculate and optimize retirement success
- Implement high-throughput analytics pipelines utilizing Kafka, S3, SageMaker, Lambda, and Redshift

Software Engineering Consultant

Jan 2018 — Aug 2020

Fenway Group

- Consultant spotlight: May 2020
- Manage long and short-term engagements, mentoring developers, driving Agile teams, and making architecture decisions
- Develop APIs that reduced development effort on ongoing projects by 30% and increased software efficiency by up to 41%
- Work at all levels of the stack to create and improve multiple sets of portals, microservices, and business pipelines
- Test using JUnit, NUnit, Cypress, and Selenium
- At-all-costs contributor who drove teams to deliver quality full-stack web application packages in under 10 weeks
- Secured application packages for businesses and users using AWS IAM, Google Sign-In, as well as manual JWT role authorization.

Freelance Software Engineer

Dec 2016 — Jan 2018

[Various]

- **Clients:** Society of St. John the Evangelist, Asset Research Group LLC., Virginia Theological Seminary
- Introduce critical automation and future-proofing for agencies outgrowing their manpower
- Accelerated the development of global event pages against short deadlines while ensuring highly reliable and scalable products

Education and Certs

Louisiana Tech University

B.Sc. Computer Science, *cum laude*

- University Megaprocessor project team lead and contributor
- Independently researched and prototyped new method of expressing cellular automata and its uses
- Developed algorithm for discrete spatial indexing

AWS Certified Solutions Architect - Associate

Amazon Web Services • Sep 2020 - Sep 2024

Professional Scrum Developer I

Scrum.org • Jun 2018