

Edward Auttonberry

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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, Elasticsearch, NoSQL, Redis, DynamoDB

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

*This resume built using **Svelte***

Projects

shallnotpass.io

<https://shallnotpass.io>

Stateless password management tool

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 asynchronous real-time communication with tens of thousands of customer devices (iLO)
- Independently develop tools to allow on-call developers to efficiently identify and catalogue production and pipeline issues based on log signatures
- Modernize UI with patented state management and UX flow framework systems based on functional and procedural programming paradigms
- Enable customers to generate reports of metrics relevant to their devices, such as carbon emissions, by constructing real-time device data collection and archival infrastructure and microservices
- Construct real-time customer incident and notification system

Application Engineer II

Aug 2020 — Jan 2022

Vanguard

- Program engineer spotlight: September 2021
- Save tens of thousands \$ by optimizing Docker runtimes in ECS
- Lead team to develop Electron application and serverless infrastructure to enhance continuous production release cycle
- Overhaul architecture microservice layer to establish more resilient and scalable event-driven patterns
- Own full stack of Nx Angular UI, numerous of Java/Springboot microservices, and the AWS infrastructure that powers them
- Apply and train machine learning models and Monte Carlo simulations to predict and optimize retirement success
- Implement high-throughput analytics pipelines utilizing Kafka, S3, SageMaker, Lambda, Redshift, Glue, EMR, and Athena

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 constructing software architecture
- Work at all levels of the stack to create and improve client portals, microservices, ETL workflows, and CI pipelines
- Establish confidence through thorough testing systems, including unit, integration, and behavioural via Cypress and Selenium
- Efficient contributor who lead struggling team to deliver quality full-stack web application packages in under 10 weeks
- Secure customer applications using AWS IAM, as well as RBAC via manual JWT management with SSO integrations.

Freelance Developer

Dec 2016 — Jan 2018

Multiple Clients

- Introduce critical automation and future-proofing for agencies outgrowing their manpower
- Accelerated the development of products and events by consulting on tools and practices to decrease turn-around times and maintenance costs

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