Joshua Kennedy
Professional Tinkerer
Resides in Scotland

💼 Experience

Cloud Platforms Engineer
NatWest - Since October 2023
> Engineering and supporting the banks strategic on-prem PaaS and CaaS offerings

Cloud Automation Engineer
NatWest - September 2021 - October 2023
> Joined a small R&D team with the purpose of expanding the banks on-prem cloud computing capabilities. Honed skills in Openshift, Kubernetes and general container orchestration.
> Worked closely with colleagues from other teams to deliver proof of concept pieces for certificate automation via cert-manager and centralised secret management via Hashicorp Vault

Middleware Systems Engineer
NatWest - February 2019 - September 2021
> Built automation to streamline common support tasks for deployment orchestration tooling within a small feature team. One of the tasks automated was agent upgrading. This facilitated the upgrade of over 1600 agents in the span of 6 months across 50 different teams. A feat that would have otherwise been unachievable in a reasonable timeframe.
> Provided support for users and administrators in deployment orchestration. Created a large amount of documentation and hosted workshops. This resulted in the upskilling of an entire support team in the administration of related tooling.

Middleware Technical Analyst
RBS - January 2018 - February 2019
> Delivered technical support for Java based enterprise software, providing successful resolution for over 150 individual incidents.
> Developed infrastructure support scripts for and assisted in standing up deployment orchestration tooling. Acquired new skills in RESTful API interaction and high availability clustering technologies as a result.

WebSphere Technical Apprentice
RBS - January 2016 - January 2018
> Developed knowledge on KornShell scripting and used it to automate a manual licensing process for ~5000 servers.
> Audited and improved a certificate renewal tracking workflow. Obtained skills in Visual Basic and SQL along the way.

🎓 Education and Certification

Red Hat Certified Specialist in Containers and Kubernetes
July 2022
Proficiency in podman, kubernetes & OpenShift

IT & Telecoms Professional
January 2017 - January 2018
SCQF Level 8, QA Apprenticeship

IT & Telecoms Professional
January 2016 - January 2017
SCQF Level 6, QA Apprenticeship

<> Personal Projects

Snowdon II WiFi
C / Programmable IO
A hardware mod for the Snowdon II soundbar. Implements a HTTP server and infrared NEC encoder from scratch to enable IR remote code signalling over WiFi.

Stateful
C / Javascript
A Pebble watchapp designed to control RESTful API's with minimal clicks

restate-go
Golang
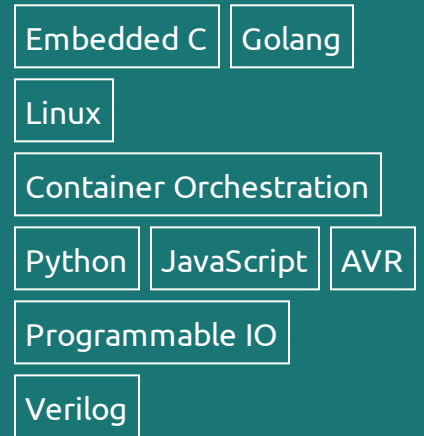A cloudless home automation solution powered by Golang

MPRIS Panel
Javascript / DBus
A media controller for linux that uses a 'smart-switching' technique to effortlessly control multiple media sources.

About me

I have built a career on exploring rabbit holes. As it turns out, rabbits come in many colours and I have yet to find one that did not have something to offer. I have had as much fun trying to perfect my latest cooking endeavour as I've had trying to digest the broad strokes of quantum mechanics. In applying this same exploratory enthusiasm to computing I have found my life's work. For over a decade I have been delving deeper and deeper into the field of computing. From games development to container orchestration to signal processing I have with each step been building holistic knowledge of the field. In recent years I have finally made it down to the metal, exploring concepts such as Embedded C, Programmable IO and FPGA design through my personal projects.

Skills

Embedded C   Golang   Linux   Container Orchestration   Python   JavaScript   AVR   Programmable IO   Verilog

Contact

📨 kennedn@msn.com
🌐 kennedn.com
in kennedn
⌨ kennedn