Mike Schroffel

mikeneedsanewjob@gmail.com | (310)869-8576 | Los Angeles | http://mikeschroffel.pizza/

EDUCATION

CALIFORNIA INSTIUE OF THE ARTS | BFA Theatre Sound Design   Santa Clarita | 1997 - 2002

EXPERIENCE

DANTE INC. | Software Engineer   Los Angeles, CA | June 2024 – Present

- Building safe and scalable full-stack applications using Node and AWS with event-driven architecture.

HALA SYSTEMS | Principal Engineer - Hardware   Los Angeles CA | April 2020 – June 2024

- Designed, analyzed, fabricated, and prototyped IoT solutions for an FM radio warning system
- Built iOS native and Android (react native) versions of audio capture software to facilitate the recording of war crimes
- Prototyped and analyzed a variety satellite based communications systems
- Leveraged AWS infrastructure for processing and storage of data

UNIT9 | Creative Technologist   Los Angeles CA | October 2017 – January 2020

- Designed, built, and implemented immersive branded experiential content
- Worked with clients from pitch through execution to relay ideas and resolve issues
- Developed electronics prototypes for discovery projects
- worked with teams to facilitate creation of websites and AR experiences

NO GODS, NO MASTERS | Creative Technologist Los Angeles CA | September 2016 – September 2017

- Architected a range of projects for clients in advertising to nonprofit
- Led research and discovery phases of new projects
- Engineered and implemented an RFID-based flight check-in system for a KLM pop-up event in San Francisco
- Designed and constructed an early warning system for the Syrian Civil Defense
- Developed an open source Python library to interface with Iridium satellite modem

CINECERT | Member of the Technical Staff   Los Angeles CA | November 2011 – September 2016

- Created scripts to automate binary software distributions for client deployment on Linux, Unix, Mac OS, and Windows: Make, CMake, libtool, cvs
- Managed, monitored, and administered the internal infrastructure: Nagios
- Created and managed a library of QA testing scripts: Python, and BASH
- Built a script to scrape our APIs and turn that data into documentation. Saving 100s of hours of documentation writing
- Provided technical support for our clients, built and managed ticketing system using Trac
- Built tools to integrate spreadsheet data into SQL, MySQL, PostgreSQL, MongoDB

CHALICE RECORDING STUDIO | Chief Technician   Los Angeles CA | 2005 – 2011

- Maintenance of all equipment down to the component level
- Management and mentorship of assistant engineers, runners, and interns
- Commissioned and decommissioned large format recording consoles
- Studio wiring and design
- Oversaw equipment purchases
- Maintenance of digital audio workstations

SKILLS

Javascript, Python, React, AWS infrastructure, CAD, PCB Layout

PROJECTS

BBG MASTER CONTROL ROOM | Javascript, AWS infrastructure
https://mikeschroffel.pizza/en/work/bbgmcr/
A web based scheduling and streaming video routing service

FLEX RENTAL SOLUTIONS DISTILLER | Python, AWS infrastructure
https://mikeschroffel.pizza/en/work/flexdistiller/
A dashboard that provides profound and simple to read insights into a massive rental system

PIÑATABOT5000 | Javascript, AWS IoT, Pneumatics, Python, Flask
http://pinatabot5000.xyz/index.html
A real life piñata smashing robot powered by a website that pestered you with captchas

AWARDS

GOLD CANNES LION Cannes Lions | 2019
Gold Lion for Design/Data Vizualization - The Most Dangerous Street was a walk-through installation in a Chicago alleyway that maps the deaths of 38 local citizens due to gun violence.

SILVER PENCIL Oneshow | 2018
Recognized for creative technology on Amazon Echo Escape an immersive Alexa based escape room at Comic Con NYC

FWA OF THE DAY FWA | 2017-2020
Twitch Twitcherverse | Flamagra Store Front | Prudential Escape Room | Miller Cantroller