# Kenneth Munk

**Seeking to help small teams in delivering results to customers while expanding my horizons into other niches of process automation.**

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## Programming Languages

## Frameworks

## Skills

## Projects

### Project Dynamic Resume

An automated tool to tailor a master resume for specific job descriptions using language recognition.

* Technologies: React Native, Express.js, MongoDB
* Github link: [Private due to foreign developers seeking to copy product]

### Project Coinbase Bot

An automated system targeting profitable market movements for generating additional income. Utilizes a distributed micro-service architecture with a combination of local and cloud services.

* Technologies: MongoDB, Express.js, React Native, Chron.js, Microservices, Software QA with Talend API tester
* Github link: github.com/KenMunk/Project\_Coinbase\_Bot (Active Development)

## Work Experience

### IT Field Operations

University of San Francisco – Sacramento Branch – Sacramento, California

June 2022 to Present

#### Public Facing IT

* Rebuild branch campus operations for sustainability
* Builds systems that make it possible for non-technical staff to self service
* Educates non-technical staff of easy solutions that are readily available
* Troubleshooting and resolving software issues
* Automates repetitive and common operations using Service Now
* Builds a library of solutions for the local community

#### Internal Facing IT

* Explores and implements new solutions to improve reliability by adding redundancies
* Images systems using a house flavor of WinPE
* Automates systems using Service-Now Flows and scripting to eliminate inefficiencies
* Continuously self-improving personal performance with DevOPs tool called Click Up
* Builds up automated systems to make campus inventory management sustainable

### IT Student Assistant

California State University Sacramento – Sacramento, California

November 2021 to June 2022

#### Customer facing IT

* Interviews client faculty or staff on their current case to discover known and unknown customer needs
* Coordinates with clients to ensure that deployments are less painful
* Learns about solution spaces for clients before deploying solutions
* Maintains positive client relationships to build an open channel of communication between the department and its client base

#### Internal facing IT Software Side

* Manages department tickets to mitigate aging tickets and disruptions with ServiceNow
* Tracks current inventory levels to notify department head of incoming hardware needs
  + Explored solutions for automation using Teams as the interface
* Develops scripted tools that help to accelerate tedious tasks like license conversions

#### Internal facing IT

* Seeks to maintain an organized and easy to share workspace
* Exercising mindfulness in client use case
* Troubleshoots hardware issues such as hard drive failures based on the specific hardware used
* Sets up and deploys systems with Windows, Linux, and MacOS corporate images with tools like SCCM and WinPE
* Backs up images utilizing Ghost eventually transitioning to a rebuild process targeting only user files and scripting PC bring-up using shell scripting

### Validation Technician / Platform Replication Lead / Remote Coverage Lead

Intel – Folsom, CA

October 2020 to August 2021

(Contracted to Intel through Beacon Hill Staffing Group)

#### [Project 2b] Platform Replication Lead and Remote Coverage Lead

* Built a team culture centered around exploration, documentation, and troubleshooting
* Mentored technicians on new tools and ideas to foster team growth
* Balanced workloads across a team of 4 people to more effectively complete work for various mini projects
* Built an information infrastructure that would enable the team and its patrons on future tasks
* Identified hardware needs and procured hardware to build the team up for current and future projects
* Generated weekly status reports on the number of issues touched based on SQL-like database queries for the company’s internal ticketing management system

#### [Project 2a] Platform Replication and Debug as of March 2021

* Triaged problems with a combination of filters and categorization in available HSD lists to focus on critical problems while reducing problem count
* Generated queries for first stage triage and identification of problems in reporting
* Performed platform bring-up to replicate and isolate test case conditions
* Debugged software with tools like winDBG, winSDK, event logs, and other software tools
* Analyzed code of third-party software based on the results produced from hardware debugging and event logs
* Created detailed documentation of replication activities to isolate issues to their core
* Relayed information to individual points of contact to ensure that relevant specialists are involved
* Developed open-source and proprietary tools to enhance platform bring-up time and team performance
  + Example: open-source extracting utilities coded with a combination of python/powershell/and batch

#### [Project 1] Automated Test Validation as of October 2020

* Ran software tests on various hardware projects
* Setup RVP systems for automated testing with WinPE
* Validated results from tests on hardware
* Debugged erroneous data to eliminate bad configs and bad test data
* Found ways to further optimize testing via automation with additional tools to reduce human interference
* Reviewed code to find out why tests are performing the way they perform to validate results
* Developed a powershell script to organize messy json data into a more human friendly form
* Developed a powershell script to convert bulk JSON data into status reports with little human interaction
* Deployed test computers for validation testing
* Configured local networks to enable large and flexible lab layouts that are both functional and organized

### Technician II

ReConext formerly Teleplan International – Roseville, CA

September 2018 to May 2020

#### Liaison in Teleplan for Cisco clients

* Operated with an end-of-chain-customer priority mindset when making documentation and process decisions
* Documented new products with the customer in mind to catch potential hick-ups in handling
* Researched technical documentation regarding new products and include process caveats within documentation for global teams
* Developed and refined tools in Python, Batch, and Powershell to accelerate the documentation process. (Saved an average of 5 days per unit)
  + Included some image manipulation
  + Included some file management

#### Automation engineering

* Onboarded by previous engineer for automation maintenance programming and development for department automation project
* Attempted to draft an extension of the automation project that would enable more flexibility for fast paced changes slated to occur within the department.

## Education

### BS in Computer Science

California State University – Sacramento – Sacramento, CA

Anticipated Fall 2023

### Course work in Computer Science

Sierra College – Rocklin, CA

### Course work in Business Management

Chemeketa Community College – Salem, OR

## Familiar Tools