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| (406) 396-1265  [aemil.estvold@gmail.com](mailto:aemil.estvold@gmail.com) | **Aemil k. Estvold** | [github.com/mrnitrate](https://github.com/mrnitrate)  [linkedin.com/in/aemil-estvold](https://www.linkedin.com/in/aemil-estvold/) |
| **Professional Experience** | | |
| **Backend Software Engineer** | **Routable** | 2019 – 2020 |
| * Designed and developed Django REST API for ingestion by frontend and API clients. * Instrumental in an effort to improve automated testing, increased test coverage by 20%, including writing 500+ tests. * Collaborated with Customer Success team to design and develop automated CRM features including notifications with services like Email, Slack, Intercom.io, and Customer.io. * Helped shape company culture and engineering processes by introducing linting and acceptance testing via CircleCi. | | |
| **Backend Software Engineer** | **TOMIS** | **2018** – 2019 |
| * Designed and developed Data Warehouse and Django-based ETL pipeline for reservation system bookings and google services data. * Designed and developed Django REST API for ingestion of the Data Warehouse by frontend and data science teams. * Managed and scaled PostgreSQL databases while optimizing SQL queries and database schemas for better performance. * Utilized the full Atlassian stack including writing unit tests for the continuous integration pipeline | | |
| **Full Stack Web Developer** | **Gecko Designs** | **2014 – 2018** |
| * Developed and maintained complex WordPress and other CMS-based applications. * Developed WordPress and other CMS plugins and custom backend (API) functionality. * Developed and maintained Linux servers for web-hosting, development, testing, asset management. * Introduced and developed bug tracking, project tracking and SVN software to development workflow. | | |
| **Software Engineer** | **Rook Media** | **2013 – 2014** |
| * Designed and developed python version of targeted email ad delivery system and supporting databases and tool-chains. * Designed and developed Unix tools and scripts for management of large databases, server clusters and data-mining of tracked recipient data. * Designed, developed, and maintained multiple administration and management tools for clients. | | |
| **Education** | | |
| **Missoula, Mt** | **University of Montana** | **Fall 2006 – May 2011** |
| * 45 credits toward a B.S. in Computer Science * Undergraduate Coursework: Operating Systems; Databases; Algorithms; Programming Languages; Comp. Architecture; Calculus II; Bioinfomatics; Computer Architecture; Algorithms; Artificial Intelligence; Computational Theory; Cryptography; Machine Learning. | | |
| **Personal Projects** | | |
| * **Free sticker web scraping Bot** (2019). Unix command line tool that can be run periodically to scan the web for “Free Sticker” offers. *Python, HTML, CSS, JS, Http, Linux.* * **Reddit Image Blur Detection and Correction Bot** (2018). AWS microservice-based bot that scans all new reddit.com posts and comments for images and determines blur level and attempts to deblur. *Python, AWS Lambda, AWS S3, AWS DynamoDB, AWS CloudFormation*. * **RaspberryPi RFID & WebApp Door Access System** (2016). Custom RaspberryPi-based office security system allows access by RFID card or Internet facing Web App that can lock and unlock the doors. *Python, C, PHP, Nginx, Linux.* * **Cryptocurrency arbitrage trading bot** (2014). Unix command line tool that connects to multiple bitcoin and litecoin web exchanges and calculates profitable arbitrage trading chains and executes them. *Python, Json, XML, Http, Rest.* | | |
| **Languages and Technologies** | | |
| * Python; Celery; Django; Flask; PostgreSQL; Git; Redis; PHP; Ruby; Bash; Docker; Kubernetes; * PyCharm; Sublime Text; Visual Studio; Windows; Unix; Linux; Mac OS; AWS; Google Cloud; * Slack; JIRA; CircleCi: GitHub; BitBucket; Lucidchart; Postman; Notion; | | |