|  |  |
| --- | --- |
| **Maximilian Petretta** | [hello@maxpetretta.com](mailto:hello@maxpetretta.com) |
| [github.com/maxpetretta](https://github.com/maxpetretta) |
| [linkedin.com/in/maxpetretta](https://www.linkedin.com/in/maxpetretta/) |

**Experience**

**GE Healthcare | Staff Software Engineer** Detroit, MI

*AWS, Azure, Terraform, Terragrunt, GitHub Actions* Feb 2022 - Present

* Led elements of critical corporate spin-off preparations, taking on additional responsibilities in overseeing team’s deliverables and 6-month direction
* Designed transition plan to full GitOps infrastructure model, accounting for existing cloud resources and ongoing migrations, to ensure uninterrupted service for 100+ applications
* Onboarded new engineers to team, and mentored several junior developers new to cloud technologies

**GE Healthcare | Senior Software Engineer** Milwaukee, WI

*Azure, Terraform, Terragrunt, Docker, DevOps Pipelines* Aug 2020 – Feb 2022

* Designed and implemented an infrastructure-as-code templating system, serving as the foundation to all Azure hosted applications at GE Healthcare, decreasing development time from weeks to days
* Fully automated the resource deployment process for new applications, eliminating manual efforts and reducing turnaround times by 75%, delivering fully configurable CI/CD pipelines
* Directed operations team in migration efforts, moving over 80 internal applications to the cloud
* Worked in a team of 8+ engineers building core modules pertaining to Azure containers instances, app services, virtual machines, application gateways, databases, and virtual networks

**GE Healthcare | Digital Technology Leadership Program** Atlanta, GA

*AWS, Python, Java, Spring Boot, React, SQL Server* Jun 2018 - Aug 2020

* GE’s premier talent development program focusing on technical skills and project management
* Developed API for dynamically starting EC2 instances to process large-scale compute jobs, involving millions of service technician records and machine sensor data
* Worked with international teams in 4 countries to roll out biometric authentication for factory workers, presented findings to business executive team on employee adoption, effectiveness, and feedback
* Specialized in cloud infrastructure, including AWS Solutions Architect certifications
* Completed 4 rotations including full stack development, data analysis, and product deployments

**Projects**

**twitt3r.xyz** *Solidity, Hardhat, Ethers.js, wagmi, RainbowKit, React*

Decentralized Twitter clone on the Ethereum blockchain, utilizing a custom smart contract for message storage and ENS lookups for profile information, deployed to Goerli and Ropsten

**Education**

**University of Michigan** Dearborn, MI

B.S. in Computer Science, GPA: 3.53 Sep 2013 - Apr 2018

Senior Design Competition Award: Most Innovative Project - Trip Out Android Application

**Skills**

**Languages:** Solidity, Python, Terraform, Java, HTML, CSS, JavaScript, SQL

**Technologies:** Ethereum, Hardhat, AWS, Azure, React, Next.js, Node.js, Tailwind, Docker, DevOps, Linux, git