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

**Experience**

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

*Python, Terraform, Kubernetes, Docker, AWS, Azure* Feb 2022 - Present

* Led critical corporate spin-off initiatives, taking on additional responsibilities in overseeing team’s future deliverables and technical direction, providing weekly updates to leadership
* Designed full GitOps infrastructure model based on Kubernetes, accounting for existing resources and ongoing migrations, to provide highly available service for over 120 applications
* Conducted architecture and code reviews for a team of over 10 engineers, onboarding new members
* Managed two junior developers, providing guidance and mentorship in cloud technologies

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

*TypeScript, Node.js, Terraform, AWS, PostgreSQL* Aug 2020 – Feb 2022

* Architected backend APIs for dynamically running large-scale ML compute jobs, involving millions of service technician records and machine sensor data, and notifying users once complete
* Designed and implemented an infrastructure-as-code template framework, serving as the foundation to all cloud-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
* Built multiple REST services to manage existing cloud resources, including DNS and IP address blocks

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

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

* GE’s premier talent development program focusing on technical skills and project management
* Implemented new core data table views with fully customizable filters and sorting, collaborating with UX team on interface design, and conducted customer feedback sessions
* Developed integration between CRM and HR database system, including unit and performance testing
* Coordinated 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
* Worked in full-stack capacity on suite of factory web apps, used globally by thousands of technicians

**Projects**

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

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, Magna Cum Laude Sep 2013 - Apr 2018

**Skills**

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

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