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| **Maximilian Petretta** | [hello@maxpetretta.com](mailto:hello@maxpetretta.com) |
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**Experience**

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

*Azure, Terraform, Terragrunt, Docker, DevOps Pipelines* Aug 2020 - Present

* 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

**GE Digital | Software Developer (Co-op)** Detroit, MI

*Python, JavaScript, Node.js, Express, PostgreSQL* May 2016 - Sep 2017

* Led team for Alexa voice integration MVP for monitoring agile sprints/task events from planning tool
* Built backend REST API for interfacing between personnel management app and HR databases
* Conducted 7 education sessions for onboarding new hires on internal technologies and processes
* Took initiative in proposing, organizing, and leading site-wide engagement events with 100+ participants

**Urban Science | Full Stack Web Developer (Co-op)** Detroit, MI

*C#, JavaScript, jQuery, SQL Server* Dec 2015 - Apr 2016

* Developed new features on ASP.NET web application in an accelerated environment
* Enhanced user experience and reduced page reload frequency significantly (30% improvement)
* Implemented asynchronous actions throughout the site, utilizing ASP’s update objects and AJAX

**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:** Python, Java, Swift, Terraform, HTML, CSS, JavaScript, SQL

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