Graham Robert Eger

Software Engineer

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Education

University of Michigan – Ann Arbor   *Ann Arbor, MI*
- B.S. in Computer Science, May 2019
- Significant Coursework: Web Systems, Operating Systems Engineering, Computer Networking, Finance, Computer Security, Data Structures and Algorithms
- Michigan Sailing Team – Competed in 2 Collegiate National Championships. Director of Travel.
- Delta Tau Delta Fraternity – Chapter President
- University of Michigan Club Sports Executive Board – VP Public Relations

Experience

Supernova Technology   *Chicago, IL*
Solutions Architect   September 2023-Present
- Lead rigorous technical discovery sessions with enterprise clients to capture and interpret their specific requirements and wider infrastructure challenges, enabling the provision of bespoke securities-based lending solutions.
- Design scalable system architectures and integration strategies, assuring seamless integration with client goals and operational processes.

Regatta Pages   RegattaPages.com
Solo Founder   January 2022-Present
- Build out of next generation software for fully integrated scoring, event, and social media management for sailboat racing events of every size.
  - MVP using a Postgres, TypeScript, SvelteKit, Node stack..
- Stakeholdership and advisement from America's Cup winning sailors, Fortune 500 business executives, and small business experts. Verbal agreements with a number of the most active Racing clubs in the country.

Newance Consulting   *Remote*
Engineering Consultant - Part-time   First Half 2021
- Built and presented "Tech for Tech Recruiters" presentation to a panel of technical recruiting firms and recruiting teams across multiple industries.
- Consulted with the recruitment team to support candidate selection, interview assistance, and industry knowledge.
- Performed technical interviews as well as general technical consulting tasks focused on decreasing friction within internal processes.

S/V *Exile*   *Lake Michigan*
Engineering Consultant - Sailing Data Analyst   February 2021-Present
- Designed and installed combined NMEA and IP network using custom Linux system, commodity E-ink display systems onboard high-performance 29-foot sailboat with external cellular, wifi, and GPS hardware, and weather resistant PoE to displays and sensors allowing *unparalleled* data visibility and navigation abilities on deck for a boat this size.
- Managed logistics of onshore and offshore yacht management. Including but not limited to, navigation and relocation of assets, towing trailers, rigging and derigging vessels, all-level maintenance of electronics, rigging, and structures.
- Finished on the podium in all but one regatta during the 2021 season. Awarded Top Performance at Chicago Yacht Club Verve Cup.

Capital One Financial   *Chicago, IL*
Senior Associate Software Engineer - Acquisitions   August 2019-January 2021
- Engaged in design build-out and launch of a full-stack platform using Go, NodeJS,and React to build analytics and tracking platforms for GitHub Enterprise pull requests using patented techniques.
  - "Methods and systems for monitoring contributors to software platform development.". Named inventor on US Patent #11372642B2 filed 08/2020, issued 06/2022.
- Built, launched, and maintained real-time correspondence stack using Java SpringBoot and PostgreSQL for delivering regulatory notices to end-users.
- Promoted to Senior Engineer in July 2020. Left to pursue maritime opportunities in January 2021.

Quicken Loans   *Detroit, MI*
Software Engineering Intern – Mortgage Servicing   Summer 2018
- Designed a front-end application in AngularJS and TypeScript for end users to manage their work for a given day.
- Developed a Servicing Prioritization API using.NET Core to prioritize and deliver action items to end users.Improving servicing efficiency by over 50%.
- Gathered servicing performance data leading to new insights used to improve workflow efficiency.
- Transitioned web-app from Angular 5 to Angular 6, and ASP.NET to .NET Core. Reducing LOC by 15%.
- Developed suite of tests and CI/CD for .NET Core app, moving test coverage from 60-100%.

MSX International   *Detroit, MI*
System Administrator – North America   Summer 2017
- In a client-facing role, administered Windows and Linux systems, focusing on the hardware, software and server infrastructure running both Windows and Linux environments for MSX International's entire North American market.
- Oversaw conversion from legacy network switches to Cisco SDN, deployment of site-to-site VPNs using L2TP.
- Engineered and tested worldwide ransomware incident response business process by leading training sessions.
- Developed and administered a custom honeypot based anti-phishing framework to actively train end-users on scam-mail.

Junior System Administrator – North America   Summer 2016
- Assisted the Global Technology Services team on a variety of technology projects.
- Provided custom system setup and on-call VIP desk-side support for C-level executives.
- Created and maintained virtual environments for critical business applications running in the cloud and on premises.

References and code samples available upon request.