Ben Forshey

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SUMMARY

Thrives on meaningful work with others that is equal parts challenging and rewarding. Life-long love of learning. Full-stack web developer with expertise in isomorphic JavaScript, semantic HTML, and modern CSS. Delivers products through agile user-centric development. Loves pair programming. Passionate about how the Web can deliver accessible, progressively-enhanced, offline–first experiences. Well-versed in writing backend services in Node.js with GraphQL or RESTful APIs and persisting data through SQL and noSQL databases.

EXPERIENCE

Scientific Software Developer
NASA GES DISC via ADNET Systems, Inc.   **September 2022 - Present, Greenbelt, MD**

· Created new RESTful endpoints for in-house CMS while forwarding existing endpoints over reverse proxy, greatly improving response time by an average of ~40% and a max of 92%. Identified and mitigated multiple permissions-based security vulnerabilities in existing API, bolstering defense-in-depth security. Wrote and deployed an interactive documentation site to support user transition to new RESTful API.
· Performed zero-downtime rewrites of the authentication system of two separate pub/sub services.
· Hosted a group of 6 peers through a weekly book club designed to improve software development skills of scientists and developers.
· Prototyped and implemented an Elasticsearch configuration to support multi-index document search, then co-created a RESTful service to ingest, delete, and search those datasets.

Senior Software Developer, Software Developer
Liberty University   **May 2018 - September 2022, Lynchburg, VA**

· Led a 4-member team in developing a document-delivery web application, enabling students to download and share digital transcripts without university personnel involvement.
· Developed a progressive web app (PWA) and two mobile applications with a team of 4 to provide students with convenient in-app access to 9 university services and over 3 dozen out-of-app additional services.
· Rapidly developed and published a GDPR-consent web component, allowing university-wide compliance within 1 week.
· Collaborated with a 5-member team to create a university map application, delivering essential landmark information, road closures, and live transit system tracking to over 30k concurrent users.

Web Developer
Freelance   **January 2016 - September 2022, Lynchburg, VA**

· Created an inventory management system and lead-generating website for the oldest wholesale tea importer in the US, enabling efficient seasonal inventory management and generating an average of 4 new wholesale leads per month.
· Created and conducted usability studies that aided in securing a grant from NOAA to co-developed a location-based weather emergency alerts mobile application prototype for 2 platforms.
· Developed lead-generating and appointment-booking websites for 6 small businesses across the US.

Technician
USAF Reserve   **2012 – 2017, Olympia, WA**

· Maintained and supported 24 C-17 aircraft worth $4.9B, contributing to global military and humanitarian operations.
· Received a letter of recognition for voluntarily creating a data collection process in support of the 446th Chaplain Corps' mission.
· Saved the USAF $66k by repairing faulty components instead of purchasing replacements.

Infantryman
US Army   **2004 – 2012, Olympia, WA**

· Led logistical, administrative, and maintenance operations for over $5M worth of mission-critical equipment as a Section Leader.
· Supervised and tactically led up to 20 soldiers during 28 months of deployments in support of the Global War on Terrorism.
· Achieved 100% certification rate for employees under my supervision by successfully leading the section through pre-deployment certification.

EDUCATION

Bachelor of Science in Web Design & Development
Full Sail University · Winter Park, Florida · 2015 · 4.0 (Valedictorian)

Graduate Certificate in Internet Marketing
Full Sail University · Winter Park, Florida · 2016 · 4.0

SKILLS

App Development, Babel, CORS, CSS, Docker, Elasticsearch, Git, GraphQL, Gulp, HTML, JSON, Java, JavaScript, Kibana, NGINX, npm, NoSQL, Node JS, OKD, PWA, Pair Programming, Python, REST, React, Redux, Redux Saga, Rollup, SEM, SEO, SQL, Service Workers, Spring Web, Static Site Generators, Stencil, TDD, Typescript, Web Components, Webpack