DESMOND MULLEN • 82 ENDOR DRIVE • CHAPEL HILL, NC 27516
919-260-8858 • DSM@DESMONDMULLEN.COM

Summary

Senior Backend Software Engineer at Cell-Ed. Deep experience including Silicon Valley, startups, profitable companies, mentoring, management, architecture, etc. Software skills include Node.js, JavaScript, MongoDB, backend, Express, React, Linux, UNIX, security, APIs, REST, HTTP, Git, GitHub, MERN, NPM, UI, UX, HTML, CSS, Excel.

Experience

presently **Senior Backend Software Engineer** *Cell-Ed*, Palo Alto, CA
Contractor for Cell-Ed, "a global social enterprise that enables organizations to deliver & track mobile learning across any device, anywhere…" Design and develop new backend API microservices to extend current capabilities and to lay the foundation for massive scaling projected for the near term. Implement solutions with extensive documentation and testing capabilities. Provide sample frontend code to frontend engineers for easy integration of new services. Assist top management in making technology decisions on MongoDB data structures as well as new technology packages.

2019-2021 **Senior Software Engineer** *FlexGen® Power Systems*, Durham, NC
Authored over 39% of all Pull Requests merged in 2020-2021 (on a team of seven software engineers). Many of these PRs were substantial in size and import, creating entirely new functionality. Lead engineer for key customer-facing product introduction. Developed key security, API, and database functionality for new customer requirements. Established JavaScript code consistency practices. Led Full Stack software engineer technical interviews. Mentored new hires. Produced original customer and internal documentation for new software features.

2018 to 2019 **Developer** *desmondmullen.com*, Chapel Hill, NC
Developed JavaScript, Node.js, and React applications including a variety of shared messaging apps with geolocation and shared lists..

2015 to 2018 **Manager** *Combustion Cycles Ltd*, Durham, NC
Managed daily operations for independent motorcycle service and sales shop. Developed key heuristic solutions for workflow management and load-balancing of customer work.

2014 to 2015 **ELF Product Manager, Process Manager** *Organic Transit*, Durham, NC
Led continuing development of Organic Transit's flagship *ELF* hybrid vehicle. Developed and oversaw processes for vehicle manufacturing, R&D, and design and production changes.

2005 to 2014 **Project Manager/Producer** *Busy Little Studios*, Durham, NC
Founded video production studio to write, film, animate, produce, and support the still-popular *Busy Little Engine* children's educational video series.

Notes on Previous Experience

I created tools in AppleScript (JavaScript's inspiration) professionally throughout the 1990s when I was in Silicon Valley. I've been doing HTML and CSS for almost 20 years, some basic MongoDB and SQL for 10 years, and I dabbled in JavaScript until 2018 when I did a six month boot camp to update and consolidate my skills. I graduated first in my class and have advanced quickly since then thanks, in part, to my knowledge of the predecessors and foundations of JavaScript, Node, and MongoDB.