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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. Public sites include VehicleDataTracker.com, a tool for tracking gas/oil consumption and customizable maintenance intervals for multiple vehicles per account.
- 2015 to 2018 **Manager** *Combustion Cycles Ltd*, Durham, NC
Managed daily operations for independent motorcycle service and sales shop. Responsible for purchasing, customer relations, and team management. 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 and coordinated continuing development of Organic Transit’s flagship *ELF* hybrid vehicle. Created website and social media campaigns to market and brand OT and the ELF. Developed and oversaw processes for vehicle manufacturing, research and development, and design and production changes.
- 2005 to 2014 **Project Manager/Producer** *Busy Little Studios*, Durham, NC
Founded video production studio to write, film, animate, and produce the now-popular *Busy Little Engine* children’s educational DVD. Managed all operations of studio including financial, facilities, distributor relations, direct sales, and shipping.