

DESMOND MULLEN • 82 ENDOR DRIVE • CHAPEL HILL, NC 27516  
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## Summary

Senior Software Engineer at FlexGen®. 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 Software Engineer** *FlexGen® Power Systems*, Durham, NC  
Accomplishments in 2020:
- Authored over 39% of all Pull Requests merged in 2020 (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.
  - Acquired code ownership of all JavaScript repos.
  - 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.
- 2002 to 2007      **Project Manager/Show Producer** *Morehead Planetarium*, Chapel Hill, NC  
Created big-budget original multimedia science education programs. Introduced non-linear audio and video editing, 3D animations and *Nova/Frontline*-style format to planetarium productions. Supervised student staff members.