

# JUSTIN OLGUIN

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Seasoned **software engineer & technical executive partner** with 7+ years supporting founders and C-suite executives in technology and manufacturing settings. Trained for seven years under a principal architect whose software engineering principles underpin FBI systems, DARPA projects, and the Library of Congress Congressional Records System. Adept at translating strategic vision into day-to-day execution, streamlining processes, and coordinating cross-functional teams. Recognized as the trusted “right-hand” who keeps initiatives on track—freeing leaders to focus on the highest leverage objectives.

## TECHNICAL SKILLS

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- **Systems architecture and integration** — designing, building, and connecting components across complex technical environments
- **Process optimization** — identifying inefficiencies and implementing streamlined workflows that measurably improve throughput and team productivity
- **Test engineering and quality assurance** — specification, automation, execution, and statistical analysis across enterprise-scale systems
- **Infrastructure and operations** — server deployment, network administration, lab setup, and ongoing systems maintenance
- **Build and deployment engineering** — CI/CD pipeline design and standardization, supporting distributed teams through integration workflows
- **Client-facing technical communication** — translating complex technical work into actionable support for both technical and non-technical stakeholders

## EXECUTIVE SKILLS

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- **Strategic operations and executive partnership** — serving as operational counterpart to founders and principal leaders, handling critical path tasks to free strategic thinkers for their highest-value work
- **Organizational scaling and transformation** — leading companies through role transitions, multi-state relocations, platform migrations, and manufacturing optimization with measurable results
- **Grant and program administration** — managing funded research initiatives end-to-end including budgeting, legal compliance, subcontractor oversight, milestone tracking, and sponsor reporting
- **Cross-functional team building** — hiring, onboarding, training, and supervising teams across production, fulfillment, editorial, and technical functions; developing SOPs that measurably improve performance
- **Complex knowledge management** — ingesting, synthesizing, and communicating highly technical and multi-disciplinary material into clear, actionable formats for diverse stakeholders
- **Technical documentation and editorial leadership** — drafting, editing, and publishing strategic and technical content; managing peer-review cycles, version control, and distribution systems
- **Logistics and multi-site operations** — planning and executing large-scale physical operations including equipment relocation, vendor coordination, and infrastructure buildout with zero service disruption
- **Stakeholder communication and representation** — operating on behalf of senior leaders across diverse audiences with high emotional intelligence, discretion, and discernment

## WORK HISTORY

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### **Engineer → COO → CEO | *Magic Flight* (Jan 2021 - Present)**

- Served as COO for a legacy hardware manufacturer, ultimately stepping into CEO role. Partnered closely with the founder on strategic direction, freeing him to focus on other projects.
- Led 10,000 sq ft multi-state relocation of manufacturing equipment, coordinating vendors, freight, utilities, and IT resulting in successful move over two years, including zero downtime for e-commerce storefront and order fulfillment.
- Revitalized marketing strategies, driving 30% topline revenue lift within three months.
- Hired, trained, and supervised production & fulfillment teams. Implemented SOPs that cut customer-issue resolution time by 50 %, and improved response time by 100%.
- Developed and managed site migration from BigCommerce to Shopify, improving UX and internal workflow efficiency.
- Optimized manufacturing production lines reducing time for core product production by 25% on average.

### **Research Operations Lead | *Grant-Funded AGI Safety Initiative* (Jan 2022 - Mar 2025)**

- Administered grants from Players Philanthropy Fund (2022 & 2024); oversaw budgeting, legal compliance, subcontractors, reporting, and milestone tracking.
- Supported principal researchers by drafting technical documentation, editing proofs, and organizing peer-review cycles.
- Technical review, summarization, and representation of highly complex, multi-disciplinary arguments.

### **Executive & Technical Assistant | *Forrest Landry* (Multidisciplinary Technologist / Philosopher) (Dec 2018 - Jan 2025)**

- Studied, learned, and documented core software principles applied to projects used in FBI investigative projects, TSC, DARPA, and the Library of Congress Congressional Records System.
- Operated as “body double” and gatekeeper for serial entrepreneur and thought-leader. Responded and operated on his behalf to many diverse stakeholders.
- Documented, edited, and published hundreds of strategic conversations spanning technology, ecology, and organizational design. Ensured timely distribution to sponsors and collaborators.
- Created and maintained knowledge-management systems. Standardized file naming, version control, and reference indices, streamlining retrieval of critical research.
- Coordinated subcontractors and tracked deliverables across software, hardware, and editorial projects.
- Supported with an array of software, hardware, and process engineering tasks.

### **Software Engineer Interviewer | *Karat* (Sep 2015 - Jul 2017)**

- Perform 500+ technical interviews for various software engineering roles
- Quality control of the interviewing process
- Process development of the interview process
- Question creation designed to test a range of software skills
- Mentorship and training of other interviewers

### **Software Engineer | *DHISCO* (Sep 2013 - Sep 2015)**

- Wrote software for high volume XML translation mapping for hotel data
- Mentored under senior software engineers and stepped into technical leadership role writing new software architectures for data translation pipelines

### **Software Engineer | *Raytheon Intelligence & Information Systems* (Jun 2012 - Jun 2013)**

- Designed, implemented, performance tested, and integrated a high traffic middle-tier data delivery component with rule-based priority, algorithmic aging, and caching, utilizing iRODS data grid, Java Servlets, RESTful web services, JSON, and MongoDB.
- Implemented a standardized build process for our team using Maven and Artifactory. Integrated build process with TeamCity and Subversion for Continuous Integration. Supported local and remote team members with integration workflow issues.

### **Test Engineer Intern | *Novatel Wireless* (Oct 2010 - May 2012)**

- Enterprise web application test case specification, documentation, refinement, execution, reporting
- High-performance test lab setup, server installation, imaging, and test execution including statistical analysis
- Java based automated functional testing development, simulation tool development

### **Senior Technician | *Dallas Laptops* (Mar 2007 - Feb 2008)**

- Analyzed, evaluated, planned, deployed, maintained and administrated company network.
- Built, installed, and maintained multiple servers for data and OS image storage and streamlined business model. Increased daily unit output by 150%.