

William Novak

ENGINEERING · LEADERSHIP · PROGRAM MANAGEMENT

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Summary

Empathetic and results-oriented engineering leader with a proven track record of delivering robust, reliable software, and five-star customer value. Passionate about building teams that do great things while influencing and improving organizational strategy, culture, processes, and programs. 10+ years experience specializing in full-stack development, infrastructure planning and automation, integration, and performance analysis. A breadth of experience in software engineering, digital electronics engineering, program management, education, and leadership.

Work Experience

Conga

Broomfield, CO

MANAGER OF ENGINEERING

Aug. 2020 - Present

- Designed and executed departmental new-hire program including 3-week immersive SDLC simulation, product trainings, six months of professional development curriculum, and mentorship program.
- Coordinated with recruitment team and Chief People Officer to diversify candidate pipeline leading to a strengthened engineering organization.
- Created processes to inject clarity and predictability into product and engineering release cycles.
- Consistently led three engineering teams with a total of 19 distributed direct reports from technical scoping to on-time delivery for a \$100MM ARR product suite.
- Responded to subprocessor End-of-Life by extending vendor timelines, designing product requirements, and aligning all engineering efforts over the course of a year to mitigate the imposed risk.
- Optimized recurring engineering spend by transitioning three products into maintenance, bringing an offshore maintenance team online, and reapportioning legacy team members to higher priority items in a new technology space.
- Employed task-relevant-maturity model to administer assignments, monitor team progress, develop team members, and maintain schedules.

STAFF SOFTWARE ENGINEER

Sept. 2016 - Aug. 2020

- Co-led greenfield effort to design, build, and deploy at scale microservices-based product offering consisting of polyglot stack and IaC tooling.
- Introduced dynamic analysis practices and customer-facing plan to address application performance issues, directly leading to the retention of two \$1MM+ ARR client accounts. Achieved 70% performance gain from implementation of analysis findings.
- Participated as a senior member of an Agile, product-driven engineering team to consistently deliver robust features and bug-fixes.
- Aided acquisition process through participation in technical vetting including the discovery and mitigation of legal and licensing risks.

GE Aviation Systems

Grand Rapids, MI

ROTATIONAL- PROGRAM MANAGEMENT & ENGINEERING

Aug. 2013 - Aug. 2016

- Successfully led customer interactions with key programs resulting in \$6MM+ in sales and ungrounding of military aircraft fleets.
- Assembled and led cross-functional team of 15 through manufacturing readiness review, transitioning a \$23MM program into production.
- Verification of VHDL test procedures, creation of RTL code for adherence to emerging requirements, and automation of Libero build processes.
- Recommended and implemented cost-saving configuration management procedures for a mature team.
- Owned software integration of entire program, identified and resolved issues ranging from kernel to application code.
- Independently authored cost-saving verification tooling that was fully adopted by the verification team.
- Led and participated in formal reviews of certification and planning documents.

Proficient Technologies

C/C++, C#/.NET, Java, PHP, Python, Ruby, Ruby on Rails, JavaScript (React, Angular, Ember, ECMAScript, TypeScript, jQuery,) HTML/CSS (SASS, Bootstrap,) VHDL, ASL, Bash, Zend Framework, Scala, ASP, Drupal, Relational Databases (Aurora, MySQL, PostgreSQL,) NoSQL (DynamoDB, Mongo) Docker, Kubernetes, AWS (Redshift, Aurora, ElastiCache, Elasticsearch, SQS, IAM, VPC, CloudWatch, EventBridge, EC2, S3, API Gateway,) Elastic-Search, Redis, DataDog, TeamCity, GitHub Actions, Spinnaker, Terraform, Chef, Atlassian Suite, Salesforce, Maven, Ant, Mathematica, MatLab, SPICE, Verilog, VirtualBox, Git, Subversion, Photoshop, Illustrator, Libero, Dimensions, DOORS, PlantUML, macOS, Windows, Linux

Education

Michigan State University

East Lansing, MI

M.S. IN ELECTRICAL ENGINEERING

Aug. 2013 - May. 2016

- Focused primarily in NEMS/MEMS

Michigan State University

East Lansing, MI

B.S. IN COMPUTER ENGINEERING

Aug. 2009 - May. 2013

- Awarded Gerstacker Entrepreneurship Grant