

## Executive Brag Book

# Dave Burton

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### Executive Profile

Technology executive with more than 20 years of engineering leadership experience, including over nine years building and leading global engineering organizations. Proven ability to modernize mission-critical platforms, scale high-performing teams, and deliver measurable business outcomes through technical innovation and operational excellence.

Recognized for combining deep technical expertise with executive leadership to transform organizations, mentor future leaders, and align engineering investments with long-term business strategy.

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### Executive Brand

**I build organizations that solve difficult technical problems while creating measurable business value.**

Throughout my career I have consistently been selected to lead initiatives that are high-risk, high-visibility, or business critical.

Whether modernizing legacy infrastructure, replacing core platforms, building engineering organizations, or leading enterprise-wide change, my focus remains the same:

- Deliver results.
  - Build exceptional leaders.
  - Leave organizations stronger than I found them.
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### Executive Accomplishments

#### Business Impact

- Led organizations of more than 40 engineers, managers, and directors across multiple countries.
- Built three global engineering organizations supporting strategic product initiatives.
- Delivered multiple mission-critical platform replacements without customer disruption.
- Reduced quality assurance costs by more than 50%.
- Increased application performance by up to 10×.
- Delivered a strategic platform replacement two months ahead of schedule.

- Reduced production latency by 5×.
  - Increased throughput by 36%.
  - Expanded system capacity by 66%.
  - Reduced architecture complexity by 37%.
  - Directed enterprise-wide infrastructure security remediation across more than 1,000 production servers with zero customer impact.
  - Implemented enterprise hiring improvements saving hundreds of engineering hours annually.
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## **Executive Leadership Experience**

### **Executive Director**

#### **FICO**

#### **Selected to Executive Leadership**

Chosen as one of seven executive leaders responsible for guiding product strategy and long-term technology investment.

#### **Organizational Growth**

- Built and scaled three global engineering organizations.
- Led more than 40 engineers, managers, and directors.
- Developed leadership pipeline resulting in multiple management promotions.
- Created a high-accountability engineering culture centered on ownership and execution.

#### **Strategic Initiatives**

- Led development of a cloud-native ultra-low latency platform replacing a revenue-critical legacy system.
- Introduced AI initiatives accelerating product innovation.
- Modernized engineering practices while reducing QA costs by more than half.
- Redesigned enterprise evaluation criteria emphasizing collaboration and measurable impact.

#### **Leadership Recognition**

- Graduated from the FICO Leadership Academy with distinction.
  - Recognized for executive communication and organizational influence.
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### **Senior Manager**

## **ServiceNow**

Led development of RaptorDB, a next-generation HTAP database designed to replace a foundational enterprise database platform.

### **Key Achievements**

- Delivered replacement platform ahead of schedule.
  - Improved platform performance by 2×.
  - Enabled customer performance improvements of up to 10×.
  - Unified globally distributed engineering teams after acquisition.
  - Mentored directors, managers, and senior engineers into expanded leadership roles.
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## **Software Development Manager**

### **Infinite IO**

Rebuilt the company's high-performance caching platform while scaling the engineering organization.

### **Results**

- Grew engineering team from three to eight engineers.
  - Reduced code complexity by 37%.
  - Increased throughput by 36%.
  - Reduced latency by 5×.
  - Increased memory efficiency by 66%.
  - Helped accelerate product adoption through close partnership with Product and Customer Success.
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## **Technical Director**

### **Charles Schwab**

Responsible for enterprise market data systems supporting mission-critical trading operations.

### **Executive Highlights**

- Directed Spectre and Meltdown mitigation across more than 1,000 production servers.
- Completed deployment with zero customer disruption.
- Coordinated engineering efforts involving more than 30 vice presidents, architects, and engineering leaders.

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## **Principal Software Engineer**

### **Micron Technology**

Architected next-generation storage technologies focused on concurrency and performance.

### **Highlights**

- Inventor on lock-free balanced tree traversal patent.
- Recipient of STAR Award for engineering excellence.
- Mentored engineers and QA teams, strengthening organizational capability.

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## **Technical Leadership**

### **Areas of Expertise**

- Executive Engineering Leadership
- Organizational Scaling
- Technology Strategy
- Cloud-Native Platforms
- Distributed Systems
- High-Performance Computing
- Low-Latency Systems
- Database Internals
- Storage Systems
- C/C++
- Java
- Algorithms
- Data Structures
- Network Protocols
- DevOps
- AI Strategy
- Executive Communication

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## **Innovation & Intellectual Property**

### **United States Patents**

### **Runtime Analysis Systems**

US7058927B2

## **Lock-Free Ordered Data Tree Traversal**

US20200210482A1

These innovations demonstrate long-term contributions to systems software, concurrency, and high-performance computing.

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## **Professional Recognition**

- FICO Leadership Academy Distinguished Graduate
  - Micron STAR Award Recipient
  - Executive Advisory Board Member — Kodi Connect
  - Active participant in executive leadership communities including Ambition In Motion and Connectd
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## **Education & Executive Development**

- Texas A&M University — Computer Science
  - UCLA Extension — Technical Management Program (102nd Cohort)
  - Invited MBA Distinguished Alumni (2022)
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## **Leadership Beyond Technology**

Achievement outside the workplace demonstrates the same commitment to excellence, discipline, and continuous improvement found throughout my professional career.

## **National Competition**

- USPA National Champion (Gold, Silver, and Bronze)
- Three Fédération Aéronautique Internationale (FAI) World Records for the largest freefall formations

## **Programming Excellence**

- Six-time International Obfuscated C Code Contest winner (2015–2024)

## **Continuous Learning**

- Skip Barber Formula Racing School Graduate
- SCCA Full Competition License holder
- Nitrox EAN40 Certified Diver

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### Leadership Philosophy

I believe exceptional engineering organizations are built by developing exceptional people.

Technology changes continuously, but organizations that prioritize trust, accountability, technical excellence, and customer impact consistently outperform their peers.

My role as a leader is to create environments where talented people can accomplish work they did not believe possible while delivering measurable business outcomes.

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### Career Metrics at a Glance

| Metric                     | Result         |
|----------------------------|----------------|
| Engineering experience     | 20+ years      |
| Leadership experience      | 9+ years       |
| Largest organization led   | 40+ engineers  |
| Countries managed          | 4              |
| QA cost reduction          | 50%+           |
| Performance improvement    | Up to 10×      |
| Throughput increase        | 36%            |
| Latency reduction          | 5×             |
| Memory capacity increase   | 66%            |
| Platform delivery          | 2 months early |
| Production servers secured | 1,000+         |
| U.S. patents               | 2              |
| World records              | 3              |
| National championships     | Multiple       |
| IOCCC championships        | 6              |