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Top Skills

CI

Code Review

Agile Application Development

Taylor Birkeland

Co-Founder of TipHaus | Software Engineering Leader | Senior Full
Stack Engineer

Minneapolis, Minnesota, United States

Summary

I love building and scaling high-performance applications, tackling
complex problems, and turning ideas into reality. With deep
experience in full-stack development, cloud architecture, API design,
and system optimization, I've worked with technologies like React,
Node.js, Python, and Java to create everything from real-time
systems to fintech platforms and enterprise applications. Security,
scalability, and maintainability are always top of mind in everything I
build.

Beyond the technical side, I'm all about solving challenges—whether
it's integrating advanced transaction systems, ensuring financial
data integrity, or optimizing databases for better performance.
I have a strong background in microservices, DevOps, CI/CD,
and automation, helping teams move faster and products scale
seamlessly.

But for me, great tech is just one piece of the puzzle. I thrive in
leadership roles, mentoring engineers, and fostering a culture where
collaboration and innovation drive real impact. Leading cross-
functional teams has taught me the power of working together to
refine processes, push boundaries, and create meaningful solutions.

I'm always excited about opportunities to build, optimize, and lead.
If you're working on something interesting, let's connect and make
great things happen!

Experience

TipHaus

6 years 1 month

Principal Engineer

April 2024 - October 2024 (7 months)

In my most recent position, I oversaw the design and development of a high-performance fintech payment processing technology to facilitate smooth financial transactions and real-time tip distribution. Through the design and optimization of API-driven transaction systems, I was able to incorporate sophisticated caching mechanisms and asynchronous task processing. To guarantee the accuracy, compliance, and audit readiness of financial data, I developed and put into place ledgering and reconciliation systems. In order to increase developer productivity and broaden platform capabilities, I also spearheaded the development of new product features and upgrades, such as GraphQL-based APIs.

Key Accomplishments:
• Grew team from 2 to 10 engineers, fostered high-performance culture, and drove innovation by expanding and cultivating elite engineering team.
• Generated significant monthly recurring revenue and established a robust market presence by driving rapid business growth and onboarding thousands of paying customers.
• Engineered scalable infrastructure, supporting 30x user growth and accommodating 90K+ end-users, enhancing platform stability and transaction efficiency.

VP of Engineering
December 2021 - April 2024 (2 years 5 months)

Senior Software Engineer
October 2018 - December 2021 (3 years 3 months)
Seattle, Washington, United States

HED
CANect Solutions Engineer
May 2017 - December 2021 (4 years 8 months)
Hartford, Wisconsin

As a CANect Solutions Engineer, I was able to design and deploy embedded system applications by enabling real-time monitoring and control to enhance industrial automation and efficiency. I also trained customers on system functionality and optimized software for improved performance and reliability.

Key Accomplishment:
• Reduced system downtime by enhancing firmware deployment pipelines, streamlining automation, and ensuring updates.

• Optimized asset performance by integrating IoT telematics for real-time data tracking and predictive maintenance.
• Improved system reliability and efficiency by developing embedded software for remote monitoring and diagnostics.

IAPP - International Association of Privacy Professionals
Software Developer
January 2016 - April 2017 (1 year 4 months)
Portsmouth, NH

In this position, I designed and implemented sophisticated online purchasing systems with Salesforce connection (pub/sub model), which expedited transactions and improved data synchronization. In addition to providing the engineering team with reliable infrastructure for efficient deployment and testing, I provisioned and configured development servers. In order to include Salesforce data and provide real-time insights, I created an extensive analytics dashboard. In order to guarantee long-term stability and performance with solutions that are still being used in production, I additionally designed and managed a number of repositories.

Key Accomplishments:
• Increased workflow automation and internal operations by building and maintaining internal web applications.
• Established new development processes, while optimizing team efficiency and ensuring scalable, maintainable code.
• Accelerated learning curves and fostered collaborative, high-performance engineering culture by mentoring and onboarding new team members.

The Atom Group
Open Source Developer
July 2015 - January 2016 (7 months)
Portsmouth, NH

I created and improved internal web apps in this position to automate processes and improve efficiency. To guarantee compliance with quality standards and enhance application performance, I carried out frequent code reviews. In order to match software solutions with business objectives, I worked with cross-functional teams. In order to promote ongoing development process improvement, I also started using best practices for testing and documentation.

Key Accomplishments:

• Boosted system efficiency and reliability by resolving technical issues promptly.
• Reduced downtime by swiftly addressing and resolving critical software bugs.
• Pierce Command Zone (http://www.piercemfg.com/innovations/command-zone)

Conversica
Software Developer
August 2013 - June 2015 (1 year 11 months)

Here, I refined internal user interface systems to improve operational efficiency by streamlining workflows and accelerating vital internal procedures. By automating the processing of bounced emails, spam reports, and unsubscribe requests, I designed the Spam/Bounce/Unsubscribe Processor.

Key Accomplishment:
• Designed and implemented scalable Client REST API, while enabling seamless integration for enterprise clients and improving product extensibility and performance.

Education

Western Washington University
Bachelor's degree, Electrical and Electronics Engineering · (2006 - 2013)