Will Dickerson

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Summary

Engineering leader with an electrical engineering background building distributed, reliability-critical backend systems. Lead multi-team development of event-driven services on Azure Kubernetes (AKS), PostgreSQL, and Azure Service Bus with focus on production stability, infrastructure migrations, and AI-powered developer tooling.

Experience

Arrive Logistics — Austin, TX

Software Engineering Manager — Oct 2024 – Present

- Lead two engineering teams responsible for architecture, reliability, and delivery of production backend systems on AKS.
- Own end-to-end service architecture across Kotlin, .NET, PostgreSQL, and Azure Service Bus.
- Lead incident response and long-term durability improvements across high-volume production services.
- Designed and executed live database and infrastructure migrations with staged rollouts and controlled cutovers.
- Built internal RAG-based developer assistant in Python (vector embeddings, nightly indexing) adopted across multiple teams.

Senior Software Engineer — Feb 2023 – Oct 2024

- Architected event-driven microservices deployed to AKS supporting core business workflows.
- Led cross-team design of messaging and persistence layers across PostgreSQL and CockroachDB.
- Promoted to Senior and appointed Team Lead.

Software Engineer — Sep 2021 – Feb 2023

- Built backend features and REST APIs for containerized microservices using Kotlin, Docker, and Azure.
- Contributed to production services deployed across Azure App Services and Kubernetes.

Cirrus Logic — Austin, TX

Embedded Systems Engineer — Jul 2020 – Aug 2021

- Developed production test software for mixed-signal semiconductor devices interfacing directly with hardware validation systems.
- Designed automated validation workflows ensuring data integrity in high-volume manufacturing environments.

Silicon Labs — Austin, TX

Embedded Systems Engineer — Jul 2018 – Jul 2020

- Designed and implemented software for large-scale RF semiconductor device testing.
- Improved manufacturing reliability through automated calibration and screening systems.

Education

The University of Texas at Austin — M.S. Computer Science — Austin, TX
McGill University — M.Eng. Electrical Engineering; B.Eng. Electrical Engineering — Montreal, QC

Technical Skills

Languages: Kotlin, C#, Python, TypeScript
Systems: Azure, Kubernetes (AKS), PostgreSQL, Azure Service Bus
Concepts: Distributed systems, event-driven architecture, reliability engineering
AI/ML: Vector embeddings, retrieval-augmented generation