

DILLON ROSE

Full Stack Engineer

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SUMMARY

I'm a Full Stack Engineer with a decade of experience building AI-powered user experiences. I've played a key role in developing three projects from the ground up, two of which I led as a tech lead, with both scaling to over 1M monthly active users. I have a solid grasp of the processes and structures required to deliver new features, while also ensuring live site reliability and maintaining code health. My experience building Microsoft Copilot makes me uniquely qualified to contribute to ChatGPT for Work.

TECHNICAL SKILLS

React	Next.js	Python
C#	VSCode	AI Fluent

SOFT SKILLS

Technical documentation
Cross-Functional Collaboration
Cross-Org Communication
Security Best Practices
Data Governance

INTERESTS

- 🖥️ Side projects
- 🎸 Guitar
- 🔧 Construction
- 🧗 Rock climbing

EXPERIENCE

Principal Software Engineer

Microsoft Copilot

📅 01/2023 - Present

- Shipped Microsoft Copilot on Teams, Outlook, Windows, Bing, Office.com and the standalone site serving ~7M daily active users
- Designed full stack solution for Turn 0 Prompt Suggestions which initiate ~3% of sessions
- Designed and developed Teaching Moments feature serving 10+ tutorials to onboard users and upsell the paid feature set
- Reduced time from commit to production from 2 weeks to 3 days by re-architecting the deployment strategy
- Serving as the Technical Lead for the Microsoft Copilot Client Platform team, responsible for reliability, user perceived latency, authentication, flighting, etc

Senior Software Engineer

Cortana

📅 01/2017 - 01/2023

- Developed email search and composition capabilities for the initial launch of Cortana Invoke
- Incubated and scaled 'Play My Emails' feature to over 1M monthly active users
- Led team of 5 engineers through full rewrite of service powering 'Play My Emails' feature
- Improved user experience by designing custom audio streaming protocol for email readouts
- Created variable playback speed feature based on feedback from user panels

Software Engineer II

Microsoft Maps

📅 01/2016 - 01/2017

- Enhanced user experience by optimizing map icons displayed across multiple zoom levels on Bing Maps
- Developed Offline Search capabilities in the Windows Map app by re-architecting Bing's online search stack
- Defined strategy for selecting which locations and businesses would be downloaded for offline search

Software Engineer

Bing

📅 06/2014 - 01/2016

- Enhanced user satisfaction by optimizing a classifier and a ranker in Bing Local Search stack
- Reduced latency and business costs by developing rule-based classifier to serve head queries

ACHIEVEMENTS

- 💎 **Copilot for All**
Expanded the Copilot user base by 10x by adding support for unlicensed business users and licensed consumer users. We are predicting 80M new licenses to come this effort representing \$28B/year.
- 💎 **Knowledge Sharing Series**
Led organization-wide learning series. Starting from the beginning of the development of Copilot to now, there have been 55 talks covering React basics, zustand, authentication, testability, performance, transformers, etc. I personally presented on VectorDBs, LangChain, scorecards and "The Effective Engineer" by Edmond Lau.

EDUCATION

B.S. in Computer Science and Mathematical Sciences

Florida Institute of Technology

📅 09/2010 - 05/2014