

ASHTON CHRISTIE

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Software engineer shipping production systems at Microsoft scale: Wi-Fi-based location detection at 99% precision with worldwide internal rollout, AI-driven incident response turning multi-week triage into repeatable lookups, and M365's worldwide Angular to React migration. Designs production AI workflows and agent harnesses adopted across teams. Builder mindset, team-lead experience, ownership reflex.

EXPERIENCE

Software Engineer — Microsoft Jun 2021 – Present

Calendar.AI — Outlook + Copilot Jan 2026 – Present

- ▶ Built **AI agent harness** for inherited meeting notes service: repo-aware custom skills (wiki retrieval, runbook search, auto-update) with multi-repo self-documentation loops. **Adopted across 3 teams** post-handoff; packaged as plugin for org rollout.
- ▶ Shipping new Meeting Prep functionality for Microsoft 365 Copilot in Outlook (400M+ users): context detection, content surfacing, and user-preference tuning.
- ▶ Stood up team's AI-first incident response workflow with **12+ seeded runbooks** (from zero) and 1-hour handoff. Multi-week novel-incident triage now flows through repeatable lookups.

Presence++ / Places — Microsoft Teams Mar 2024 – Jan 2026

- ▶ Designed and delivered **Auto-Detect Location** within Microsoft Teams (~320M MAU): Wi-Fi-based presence rolled out internally to all Microsoft (~228K employees) plus **10+ external test tenants**, at **99% precision and recall**.
- ▶ Owned the full client pipeline: detection logic, UX surfaces, telemetry, and multi-device sync. Redesigned core architecture mid-rollout for **halving detection latency**; debugged complex multi-device accuracy edge cases.
- ▶ Authored PRDs and technical specs for complex multi-device edge cases. Presented system design to CVP-level leadership and built alignment on privacy-sensitive design decisions.
- ▶ Led feature transition to receiving team: **10+ structured onboarding sessions**, comprehensive documentation, and rollout strategy.
- ▶ Built master-prompt-template pattern for ADL: canonical spec doc as agent grounding context plus custom prompts for incident response and Kusto telemetry. Pattern adopted by teammates across agentic coding workflows.

Office Hub / M365.com — Fundamentals Jun 2021 – Mar 2024

- ▶ Shipped the config system powering M365's Angular to React migration across 190+ countries. Deployed to **100% of users with zero customer-impacting issues**.
- ▶ Reduced unit test execution by **>95% (22 min to <1 min)** via SWC/Jest integration, cutting CI pipeline time by 10+ minutes and unblocking faster iteration across the team.
- ▶ End-to-end owner of First Run Experience v2.0: design collaboration through rollout, telemetry, and experimentation. Built monitoring dashboards described internally as "best-in-class."
- ▶ Managed on-call DRI rotations, twice-weekly production deployments, and incident response across M365.com, maintaining reliability for millions of daily users.

Software Engineer — Validar May 2018 – May 2020

- ▶ Built a full-stack automation platform from scratch (React, Express, Puppeteer) that **reduced backend configuration by ~75%**, directly enabling the company to take on larger enterprise contracts.
- ▶ Led codebase modernization: migrated JavaScript to TypeScript, integrated Sentry for error monitoring (**~70% error reduction**), and established version control and documentation standards adopted team-wide.

Technical CS Team Lead — Amazon Web Services Feb 2016 – Feb 2018

- ▶ Promoted to Team Lead within first year. Operated within a 100+ person global organization (Seattle, Virginia, Cape Town) focused on network abuse mitigation: DDoS, phishing, and botnet response at AWS scale.
- ▶ Managed **6 direct reports** with full ownership of performance reviews, career development, and quality across 11 abuse categories. Built operational runbooks adopted across sites.

PROJECTS

ashco-platform Personal AI workflow platform applying agent patterns to daily work: webhook-triggered agent runs, data capture pipeline, self-hosted observability (OTLP, Grafana, healthchecks), and skill/tool-driven workflows. Stack: TypeScript, Python, Next.js, Supabase, Cloudflare

SKILLS & EDUCATION

Languages Stack AI / LLM Practices Education

TypeScript · Python · JavaScript · C# · SQL · GraphQL · KQL
React · Next.js · Node.js · .NET · REST APIs · Microservices · Azure · AWS · Docker · PostgreSQL · CosmosDB · Supabase · OTEL · Grafana
Azure OpenAI · Anthropic API · MCP · Agent Orchestration · Prompt Engineering · Context Engineering · Tool Use · RAG · Evals
System Design · Distributed Systems · CI/CD · Feature Rollouts · DRI / On-Call · Telemetry · Test Automation
Washington State University, BBA Entrepreneurship (Minor: Economics)