Ethan J McNab

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Project

GitHub Analytics Dashboard | *React, JavaScript, Vite, GitHub REST API, OpenAI API*

- Built analytics dashboard transforming GitHub API data into engineering health signals across activity, maintainability, issues, and readiness
- Implemented server-side API boundaries for GitHub and OpenAI, preventing token exposure in browser code
- Developed AI repository audit workflow using analytics snapshots, structured prompts, and schema-constrained JSON outputs
- Designed visualisations for language usage and commit activity trends, with loading states and API error handling
- Productionized the project with CI, Dependabot, license, security policy, and contributor documentation

Education

University of South Australia **Feb 2020 – Nov 2025**
Bachelor of Information Technology (Software Development) *Adelaide, Australia*

Kaplan Business School **Oct 2024 – Nov 2024**
Certificate IV in Finance & Mortgage Broking *Adelaide, Australia*

Experience

BAE Systems **Oct 2025 – Present**
Trade Assistant *Adelaide, Australia*

- Supported engineering teams within a high-compliance environment, working within defined systems and workflows
- Collaborated across teams to support project delivery while maintaining accuracy in a high-reliability setting
- Contributed to consistent and reliable project outcomes by operating within structured processes and workflows

Datacom **May 2025 – Sep 2025**
Service Desk Agent *Adelaide, Australia*

- Delivered technical support in an enterprise IT environment, resolving software, system, and account-related issues
- Managed and prioritised support tickets using Jira, ensuring timely resolution of incidents

Alexander Financial Group **Aug 2024 – May 2025**
IT Systems Administrator *Adelaide, Australia*

- Configured and maintained internal systems and CRM tools to support business operations
- Developed digital workflows to streamline client onboarding and improve data handling efficiency

Technical Skills

Languages: Python, JavaScript, SQL
Frontend: React, Vite, HTML, CSS
Backend: Node.js, REST APIs
AI: OpenAI API, Structured Outputs
Tools: Git, GitHub Actions, Jira, Codex
Cloud: AWS, Vercel