

# Amethyst Reese

Senior software engineer writing Python professionally since 2010, working on foundational infrastructure and tooling to support thousands of engineers, data scientists, and ML researchers. Maintainer of numerous open source libraries on PyPI. Experienced speaker from Python conferences and meetups around the world.

## EXPERIENCE

present   2012	<b>Meta</b> — Production Engineer <span>📍 Remote</span> Python Language Foundation <ul style="list-style-type: none"><li>• Built and maintained third party package infrastructure to integrate upstream packages from PyPI with internal monorepo and build systems.</li><li>• Built and maintained developer tools, including formatters and linters. Worked with linting platform teams to integrate tools with VSCode, LSP, CI, and code health dashboards. Open sourced <b>Fixit 2.0</b> and <b>μsort</b>.</li><li>• Contributed bug fixes to upstream CPython, and engaged with the open source community to improve Python and developer tooling ecosystem.</li></ul> Everstore, photo/video storage infra <ul style="list-style-type: none"><li>• Built high performance automation and remote monitoring systems to assess storage servers, data replication factors, and data integrity across regions.</li><li>• Migrated legacy systems from Python 2.7 to Python 3.6, seeing significant performance and memory wins. Worked with partner teams to assist in automation and validation of major Python version upgrades.</li></ul>
2012   2011	<b>BioWare, Electronic Arts</b> — Software Engineer II <span>📍 Redwood Shores, CA</span> Devops, BioWare SF <ul style="list-style-type: none"><li>• Built custom auto-scaling and deployment automation for backend services.</li><li>• Contributed bug fixes to upstream boto project for AWS.</li></ul>
2011   2010	<b>CBTS, General Electric</b> — Software Engineer <span>📍 Cincinnati, OH</span> <ul style="list-style-type: none"><li>• Built custom monitoring and analysis tools for network security team.</li><li>• Worked with security engineers to identify threat patterns, integrate intelligence sources, and design proactive responses against APT adversaries.</li></ul>
2009   2006	<b>Redcom Laboratories, Inc.</b> — Software Engineer <span>📍 Victor, NY</span> <ul style="list-style-type: none"><li>• Worked with open source bug tracker to build and integrate major features.</li><li>• Maintained and overhauled custom internal tools and source control systems.</li></ul>

## PROJECTS

### Omnilib Project — omnilib.dev

- Foundational libraries and tools for Python, including CLI tools and VSCode extensions. Top packages on PyPI include aioitertools, aiosqlite, and stdlibs.

### unittest-ft

- Run tests in parallel and validate projects with free-threaded NoGIL Python.

## EDUCATION

2009	<b>B.S. in Software Engineering</b> <span>📍 Rochester, NY</span> Rochester Institute of Technology
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## CONTACT

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## PORTFOLIO

🔗 n7.gg  
🐙 github/amyreese  
🌐 omnilib.dev

## SKILLS

Generalist  
Infrastructure  
Full stack engineer

Developer tooling  
Build systems  
CI/CD and testing  
Source control

Python  
Rust  
C, C++  
MySQL, SQLite  
HTML, CSS, JS  
LSP, CLI  
Git, Hg

🔗 n7.gg/resume