

Correl Roush

she/her

Skills

Languages

- Python
- Erlang
- PHP
- C/C++
- Elm
- JavaScript
- Lisp
- Haskell

Technologies

- PostgreSQL
- MySQL
- Chef
- Git
- Docker
- Kubernetes
- AMQP
- XMPP

Work Experience

2023–2025 **Principal Developer**, *AWeber Communications*, Fully Remote

- Led a project building a platform for building complex third party integrations using configuration-driven workflows that non-developers can work with to develop applications, succesfully using it to connect to external OAuth2 providers like Facebook and provide lead generation email automations to our users.
- Regularly upgraded projects to the lastest supported Python versions and libraries, ensuring they adhere to company-wide coding standards.
- Worked with other teams, rapidly catching up on their projects and assisting them in getting features developed within deadlines.
- Worked alongside other developers, quickly getting them up to speed and productive on complex projects.

2017–2022 **Technical Lead**, *AWeber Communications*, Chalfont, PA, Fully Remote

- Identified and prioritized technical debt remediation and organization-wide technology goals, working alongside product managers to choose initiatives that fit alongside business goals.
- Guided my team's architectural software design while collaborating with technical leads on other teams to establish and maintain consistent standards and practices across the organization.
- Led a project to reduce our dependency on a monolithic PHP codebase and migrated the legacy application off of old servers and into Kubernetes.
- Separated user authentication from the legacy application and restructured it to allow multiple users per account.
- Built a service to transform a JSON query DSL into efficient SQL for querying subscriber data and related analytics across multiple databases to replace an inefficient and difficult-to-maintain PHP implementation.
- Designed and built a system for executing and tracking the status of long-running background subscriber tagging operations.
- Mentored junior employees, teaching them programming language features, techniques, best practices, and approaches to problem solving.

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correl

2010–2017 **Senior Software Developer**, *CoreDial*, Blue Bell, PA

- Designed, lead development on, and wrote documentation for a real-time presence and call-control API for managing hosted VoIP phone systems.
- Designed and lead development on a profile-based permissions system and integrated menu for users in a hierarchical structure of organizations.
- Maintained and developed features for a white-labeled PBX sales and configuration platform, including capacity metrics, sales commissioning, and VoIP platform integrations with Asterisk and BroadWorks.
- Defined and documented software development life cycle and change management workflows.
- Migrated the development team from CVS to Git, and introduced peer code reviews using Github, and later Gerrit.
- Co-organized and led a biweekly seminar with coworkers to study Structure and Interpretation of Computer Programs, the Seven in Seven series, and other programming-related topics.

2006–2009 **PHP Developer / Product Specialist**, *PayQuik / Citigroup*, Bala Cynwyd, PA

- Maintained and developed features for a white-labeled online remittance platform.
- Served as a backup release manager, managing integration branches and assisting with roll-outs.
- Built software tools to aid development.

Education

2000–2002 **Associate in Computer Programming**, *CHI Institute*, Southampton, PA

About Me

I've been developing software professionally for nearly twenty years, and doing so as a hobby since learning LOGO on an Apple IIe in the third grade. I am passionate about my craft and learning new things, whether it be picking up new programming languages and paradigms or better ways of organizing and structuring code to keep it clean, concise, and malleable. I enjoy taking on challenging work and solving complex problems, constantly improving my skills as I go.

Hobbies

- Reading, particularly science fiction, nonfiction, memoirs, and technical books.
- Coding up my own tools and coming up with projects to try out and learn new programming languages or concepts.
- Tinkering with electronics to create useful gadgets or add new functionality to existing ones.
- Playing plenty of video games or getting together with friends to play some Magic: The Gathering.