

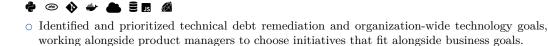
# Correl Roush

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# Work Experience

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



- 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.

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

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- Designed, lead development on, and wrote documentation for a real-time presence and callcontrol 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

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.