

Peter Quinton Forbes

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Summary

Computer Science senior with professional experience building and deploying full-stack web applications with Ruby on Rails, PostgreSQL, AWS, and DigitalOcean. Experienced with Linux infrastructure, networking, and declarative systems management. Seeking full-time software engineering opportunities beginning in December 2026.

Education

Arizona State University
B.S. in Computer Science

Tempe, AZ
Expected Fall 2026

Experience

Full-Stack Web Developer
Charles H. Pabst Galleries

January 2025 – August 2026
Mesa, AZ

- Developed and maintained an internal management application using Ruby on Rails and PostgreSQL for over 30 employees.
- Managed and improved legacy WordPress and custom PHP sites.
- Deployed multiple production websites and managed infrastructure on AWS and DigitalOcean.

Web Editor
ERAU Horizons Newspaper

September 2022 – May 2023
Prescott, AZ

- Edited and formatted content for accessible and easy viewing on the web.
- Managed the production WordPress environment.

Projects

SAVR Mobile App Conversion, *Capstone Project*

GitHub

- Converted a React website to native mobile apps with React Native/Expo.
- Implemented native mobile features such as camera and maps integration.
- Collaborated in a three-person Agile team and managed sprint planning and tasks with Taiga.

Nix Infrastructure, *Personal Project*

GitHub

- Built and maintain declarative multi-host NixOS infrastructure for servers and workstations using Nix flakes and Home Manager.
- Deployed self-hosted services behind Caddy with declarative configuration and encrypted secret management.
- Designed storage and networking with Btrfs, WireGuard, DNS, and automated system deployment.

Technical Skills

Languages: JavaScript, TypeScript, Ruby, Nix, Python, C, SQL
Frameworks: Ruby on Rails, React, Next.js, Vue, Nuxt, React Native
Infrastructure: Linux, NixOS, Docker, Git, Caddy, nginx
Databases: PostgreSQL, MariaDB
Networking: WireGuard, DNS
Cloud Platforms: AWS, DigitalOcean, Cloudflare