

AFEIQUE SHEIKH

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PROFESSIONAL SUMMARY

Passionate engineer. "Hard work and determination trumps all."

COMPETENCIES

python, php, bash, my/postgres/sql, javascript, git(flow), html, css & sass, performance analysis, product design & ownership, documentation & technical writing, sdlc management, ci/cd pipeline engineering, agile/scrum master

EXPERIENCE

Principal Software Engineer @ ONE DAY ENTERPRISES—*May '20 to PRESENT*

- » Oversaw development for in-house CRM (CodeIgniter, PHP)
- » Modernized development methodology with agile and gitflow
- » Git maintainer: merged code and oversaw other developers
- » Built modern REST API to supersede legacy application
- » Designed automated deployment pipeline for CI/CD

Founding Board Member @ ROCDEV FOUNDATION (NONPROFIT)—*Feb. to Nov. '19 · 10 MOS.*

- » Drafted and incorporated 501(c)(3) non-profit for technology outreach and education
- » Developed and taught material for free technology workshops

Senior Software Engineer @ DATTO—*Jan. to Nov. '19 · 11 MOS.*

- » Sprint-work and feature development for core products (Symfony, PHP)
- » Security liaison performing audits and hardening on core infrastructure (HTTP, PHP)
- » Development of actor-driven testing framework and SQA automation scripts (Python, Bash)
- » Engineered tools and tests for end-to-end regression suite (PHP, PHPUnit, Pytest, Bash)

Senior Software QA Engineer @ MKS INSTRUMENTS—*Jun. '17 to Jan. '19 · 1 YR. 7 MOS.*

- » SQA lead; developed Python libraries and infrastructure for testing, automation (Python, Pytest)
- » Designed customer-facing reports and reporting methodologies (JavaScript, HTML, CSS)
- » Created GUI applications for logging and data graphing (Python, wxPython)
- » Established CI and CT pipelines for SQA engineering (Jenkins, Docker)
- » Trained engineers in Python-based testing infrastructure
- » Scrum master for SQA infrastructure development

Senior PHP Engineer @ BAUSCH & LOMB—*Apr. to Jun. '17 · 3 MOS.*

- » Engineered tools for manufacturing workflow using Yii2 framework (PHP, MySQL, JavaScript)

Test Automation Engineer @ BOSCH SECURITY SYSTEMS—*Nov. '15 to Mar. '17 · 1 YR. 4 MOS.*

- » Security panel system test automation (Python, LabVIEW, TestStand)
- » Networking and security protocol testing for IMAP/SMTP (TLS, SSL)
- » Web portal testing for device administration (Python, Selenium)
- » C# API SDK testing for third-party plugin development
- » Mode2 remote operation testing (Python, Networking)

Full Stack Engineer @ PNC FINANCIAL SERVICES—*Apr to Oct. '15* · 7 MOS.

- » Feature request and tracking system with FuelPHP (PHP, MySQL, HTML, CSS, JavaScript)
- » Report preparation using MySQL

Linux Engineer @ TIMESYS—*Jun. '14 to Jan. '15* · 7 MOS.

- » Boot-testing automation website using web.py (Python, PostgreSQL, HTML, CSS, JavaScript)
- » Engineered automated build pipeline for CI/CT (Python, PostgreSQL)
- » Developed failure & bug reporting system for QA (Python, Perl, HTML, CSS)
- » Customer troubleshooting and support for Linux build failures

Programmer Analyst @ UNIVERSITY OF ROCHESTER—*Dec. '11 to Jun. '12* · 7 MOS.

- » Full-stack development using CodeIgniter (PHP, HTML, CSS, JavaScript)
- » Compatibility patches in anticipation of server upgrades (PHP)

Digital Design Co-op, Kitson Cache Team @ INTEL—*Jun to Dec. '11* · 7 MOS.

- » Worked on enhancing QA GUI tools for circuit regressions (Tcl/Tk)
- » CLI for querying timing data from CAD simulations (Perl)
- » CAD VLSI logic design, silicon layout, and timing

Web Programmer @ IZIKS INTERACTIVE—*Jan. to Jul. '11* · 7 MOS.

- » Full-stack CMS development for clientele (PHP, MySQL)
- » UI and UX design using jQuery (JavaScript, HTML, CSS)

Junior Web Programmer @ CARNEGIE MELLON—*Sep. '08 to Mar. '09* · 7 MOS.

- » Cluster and classroom reservation system (PHP, HTML, CSS, JavaScript)
- » Club website administration and security patches (Unix, ACL)

Founder, Chief Architect @ GMCLANS, ROBOSQUID—*Jun. '04 to Aug. '08* · 4 YRS. 2 MOS.

- » Founded site for indie game developers to form collaborative teams and hone their abilities
- » Developed in-house MVC framework and CMS for games & art (PHP, MySQL, HTML, CSS, JavaScript)
- » Managed development and production servers, handled deployment (Linux, Apache)
- » Extended commercial forum software (Invision) with custom features
- » Worked with multinational developers and moderation staff

Optics Lab Intern @ UNIVERSITY OF ROCHESTER—*May '07 to Sep. '07* · 4 MOS.

- » C++ layer for interfacing with photon detector using driver DLL

Student Web Programmer @ CENTRAL COLUMBIA—*Aug. '03 to Jun. '06* · 2 YRS. 10 MOS.

- » Maintained school frontpage, calendar, and announcements (ASP, Microsoft Access)
- » Designed janitorial requests management system (PHP, MySQL, HTML)

EDUCATION

B.S. Electrical and Computer Engineering @ CARNEGIE MELLON · CLASS OF '12
7 of 8 semesters complete. Engineering capstone complete. Gen-ed requirements remain.
—**Diploma incomplete: indefinitely on Spring Break as a Senior.**

HONORS & AWARDS

Dean's List (Fall '10) · Xerox Technical Minority Scholarship (Spring '09)

William Orr Dingwall Grant (2008–2012) · Carnegie Mellon Institutional Scholarship (2008)

Pittsford Sutherland Honors Graduate (Jun '08)