

PAUL-JOSEPH de WERK

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SENIOR SOFTWARE ENGINEER

Self-motivated software engineer with over 15 years of experience with several Fortune 500 companies in QA, Development, and Production, support and automation. Strong skills in learning new technologies quickly, software development, and leading a team. Extensive experience in designing applications and coming up with new ideas. Strengths include solid communication and problem-solving skills, and adapting to change.

TECHNICAL SKILLS

Languages: Python, Perl, C, sh, bash, SQL, JSON, XML, PHP, HTML, CSS, Angular, JavaScript, C#, C++, ksh, Java, Tcl
Database: MySQL, SQL Server 2000 & 2005, Unify 4GL and RPT, Oracle (SQL, Pro*C, SQL*Plus), Informix, NoSQL
Network: TCP/IP, RPC, HTTP, REST, RPC
Tools: Source Control (Git, CVS, SCCS, Subversion, Clear Case, VSTS), AI (ChatGPT, GitHub Copilot, Microsoft Copilot), Continuous Integration (Concourse, Jenkins, QuickBuild, TeamCity, BuildBot), Datadog, Terraform, Gerrit, Apache, IIS, Visual Studio, Postscript, SAP, Eclipse, .NET, Qt, Bugzilla, JIRA, Klocwork
Platforms: UNIX (Linux, Ubuntu, RedHat, CentOS, HP-UX, DG/UX, Solaris, SunOS), Apigee, Windows, Android
Cloud: AWS (Lambda, EC2, CloudFormation, API Gateway, SNS, SQS, DynamoDb, S3, Aurora, Cloudwatch, CloudFront), Azure DevOps (Pipelines, Git), DataDog
Frameworks: Javascript (Angular, jQuery, Node, React)

PROFESSIONAL EXPERIENCE

Staff Software Engineer (Fullstack Developer/Development Lead/Manager)

Symetra, Bellevue, WA

02/2022 – 10/2025

Started as contractor through Insight Global (at Symetra), Bellevue, WA

08/2021 – 02/2022

Led migration of critical APIs from AWS API Gateway to Apigee, ensuring security, scalability, and smooth cutover with minimal downtime.

Designed, developed, and deployed Angular applications to AWS CloudFront.

Built and maintained backend services and APIs using AWS Lambda and related serverless technologies.

Managed Azure DevOps pipelines to automate deployments across AWS environments.

Directed and mentored development contractors, setting technical direction, reviewing deliverables, and ensuring alignment with organizational standards.

Acted as Development Lead, driving architecture decisions, coordinating cross-team efforts, and delivering on strategic initiatives.

Performed deep AWS troubleshooting using CloudWatch, logs, and performance metrics to maintain system reliability.

Leveraged AI tools (ChatGPT, GitHub Copilot, Microsoft Copilot) to accelerate development, improve code quality, and automate documentation.

Senior Software Engineer (DevOps)

Computer Enterprises, Inc. (at Comcast), Pittsburgh, PA

02/2021 – 05/2021

Enhanced APIs in AWS using Python

Deployed lambdas to non-prod and prod in AWS using Concourse and Terraform

Consulting Software Engineer (DevOps)

Lexis Nexis, Sacramento, CA

07/2017 – 12/2020

Started as contractor through Insight Global (at Lexis Nexis), San Jose, CA

10/2016 – 07/2017

Designed, developed, deployed, and maintained, scripts in Perl and Python to transfer files, and metadata, from AWS on S3 and RDS, to legacy systems

Designed, developed, deployed, and maintained, Python script to send SNS messages from legacy systems

Designed, developed, deployed, and maintained, backend processes and APIs, Lambdas, and services running on EC2, Docker, and Fargate

Troubleshooting AWS and legacy applications using logs and cloudwatch

Modified and deployed web apps in Perl and Javascript using CGI, WWW::Mechanize, Angular, jQuery, Node, and React

Managed git source repositories merging development branches into release branches for CI/CD Jenkins processes

Running team meetings for VSTS Pull Request reviews

Software Engineer (Team Lead)

Intel Corporation, Folsom, CA

01/2011 – 05/2016

Started as contractor through Kelly IT Resources (at Intel Corporation), Rancho Cordova, CA

08/2010 – 01/2011

Designed and developed scripts in Perl and Python to manage building, and testing, of firmware pre-release

Managed firmware releases by reviewing test results and making final release decisions

Managed adding release versions of firmware to Klockwork

Supplied bug tracking metrics from Bugzilla and JIRA to management.

Developed, maintained, and refactored, applications surrounding firmware validation in Perl, and Python, and using XML, JSON, Git, Quickbuild, and Jenkins

Managed clear-case and git source repositories merging development branches into release branches for firmware release, and setting access permissions via Gerrit

Running team meetings, disseminating information, and deciding primary focus for the week

Senior Software Engineer (Systems Engineer/DevOps/Electrical Engineer)

Power Station LLC, El Dorado Hills, CA

07/2009 – 07/2010

Started as contractor through TEKsystems (at Power Station, LLC), Rancho Cordova, CA

02/2009 – 07/2009

Designed and wrote multi-threaded kiosk software in C# and .NET from scratch in two months, including hardware interface code, for charging phones and renting laptops.

Designed electrical wiring harness to allow for easy installation and maintenance of kiosk module components.

Set up of base web pages for different kiosk module that allows for walkup internet access, using HTML, CSS, and JavaScript

Assisted in writing game kiosk module software in C# and .NET to allow selection and execution of various games.

Managed changes to various company web pages by adding and removing information as directed by management using HTML, and CSS

ADDITIONAL EXPERIENCE

Senior Software Engineer, Volt (at Intel Corporation), Roseville, CA

2007 – 2008

Senior Software Engineer, HD Supply: Repair & Remodel, North Highlands, CA

2007 – 2007

Senior Software Engineer, TEKsystems (at HD Supply), Rancho Cordova, CA

2007 – 2007

Consultant, Kelly IT Resources (at Intel Corporation), Rancho Cordova, CA

2006 – 2007

Business Systems Analyst IV, Hewlett Packard Company, Roseville CA

1999 – 2005

United States Air Force

Repaired F-16 powerplants

Developed data pre-processor for Jet Engine Tracking department

EDUCATION

Bachelor of Science, Computer Science, California State University, Fresno