

CHELSEA KELLY-REIF

Principal Software Engineer - Government IT Specialist - Graduate Student in Software Engineering
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PROFESSIONAL EXPERIENCE

California Energy Commission (State of California) - Remote / Sacramento, CA

Lead Software Engineer | August 2021 - Present

- Developing software to advance clean energy policy, energy efficiency, renewable energy development, and investment in energy and transportation innovation for California.
- Working both independently and on teams as an application development lead using C# (ASP.NET Core), Amazon Web Services (AWS), Python, Node.js, SQL Server, jQuery, Bootstrap, Power BI, and Tableau. Azure DevOps with Git. These applications are integral to California's power plants, consumer appliance efficiency standards, and more.
- Leading the architecture and implementation of a commission-wide public-facing cloud enterprise data submission, data integration, data governance, data warehouse, and data visualization pipeline. ASP.NET Core 3.1 apps with Amazon Web Services, Snowflake, Talend, and Tableau.
- Developing and maintaining systems that ensure manufacturers of appliances sold in California meet state and federal standards for energy and water efficiency. Manufacturers certify the performance of their appliances to demonstrate compliance with the standards and make this data publicly available.
- Consulting for the Commission and others on efforts in cloud computing and data science.
- Overseeing various specialized projects from executives and government officials.

California Public Utilities Commission (State of California) - Remote

Principal Cloud Enterprise Software Architect (IT Specialist II) | February 2021 - August 2021

- Oversaw cloud application development and modernization of existing on-premise apps to ensure safe, clean, affordable utility services and transportation carriers for California.
- Optimized and applied architecture solutions for the entire organization while playing a major role in advising management; formulated IT strategy and policy within the org and its partners.
- Led and mentored project teams in evaluating existing systems, including compatibility for cloud enterprise infrastructure. Troubleshoot the most complex programming and systems issues; corrected or repaired issues as requested.
- Planned, architected, designed, configured, administered, developed, tested, deployed, and maintained complex apps; integrated new systems with existing technical resources to meet business and functional needs of the department.
- Amazon Web Services (AWS), Salesforce, Snowflake, .NET Core, Oracle Database, MuleSoft, Tableau, SharePoint, GitHub, Jira.

IIUSA - Internet Institute USA - Remote

Lead Software Engineer (Contract) | April 2021 - August 2021

- AWS artificial intelligence, database, compute stacks + Python (Tensorflow, Flask) for a US Department of Defense (US DOD) IT training company.

California Energy Commission (State of California) - Sacramento, CA / Remote
Lead Software Engineer (IT Specialist I) | February 2019 - February 2021

California Department of Social Services (State of California) - Sacramento, CA
Software Engineer (IT Associate) | October 2016 - February 2019

- Designed, developed, and supported software that helps millions of Californians in need by providing services for home care, community care facilities, CalFresh, independent adoptions, refugee admissions, child abuse prevention, and more.
- Worked independently and on Scrum teams as lead with .NET Framework (C#),. VBScript, SQL Server, JavaScript, jQuery, Bootstrap, and ASP.NET Web API.
- Developed and maintained a public ASP.NET app servicing data for over 170,000 home care aides. Implemented features for background checks, work eligibility statuses, credit card payments, accounting, and concurrent updates on multiple desktop and mainframe systems while maintaining the security, integrity, and availability of PII while enforcing PCI compliance.
- Developed and maintained a public-facing ASP.NET app that handles credit card fee payments for about 140,000 community care facilities throughout CA stored on a SQL Server database and Natural/ADABAS mainframe.
- Developed and maintained a .NET application for caregiver background check coordination with the US Federal Bureau of Investigation (FBI) and CA Department of Justice (DOJ).
- Consulted for the department on serving CalFresh and caregiver background check analysts' needs for Tableau & Power BI.

The Walt Disney Company - Seattle, WA
Software Engineering Intern | June 2015 - September 2015

EDUCATION

M.S., Software Engineering | California State University, Fullerton | August 2023 (Expected)
B.S., Computer Science | University of Oregon - September 2011 - March 2016

HIGHLIGHTED SKILLS

LANGUAGES: C#, Java, Python, R, SQL, JavaScript

TOOLS/Frameworks: Amazon Web Services (AWS), Salesforce, .NET, Flask, Django, Node.js, Angular, Bootstrap, SQL Server Enterprise, MySQL, Oracle Database, Snowflake, Tableau, Power BI, Git, Jira, Azure DevOps, Docker, SharePoint, Scrum (Agile), ITIL, Test-Driven Development, Web Accessibility, User-Centered Design, Pandas, NumPy, Matplotlib, Tensorflow

CERTIFICATIONS

ITIL Foundation - For IT Service Management - PeopleSoft

TRAINING

Salesforce Lightning Experience Administrative Essentials for New Admins Ext. - Salesforce - 2021
Sitecore Web Experience Management 9.3 - Sitecore - 2021
AWS Certified Developer - Associate - Linux Academy - 2019
ITIL Foundation Certification Course - ISInc - 2018
Dynamics 365: Development - Microsoft - 2018