

Steven McConnon
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EDUCATION

University of Central Florida, Orlando, FL
Bachelor's of Science, Computer Engineering, Fall 2014
Seminole State College, Orlando, FL
Associate of Arts, Pre-Engineering, Summer 2011

WORK EXPERIENCE

Autodesk, San Francisco, CA (100% Remote)

6/23 – Present

Sr. Solutions Architect

- Azure Cognitive Services, Open AI, App Registrations
- Create AI Documentation Service to, use OpenAI Chat GPT Rest API, output to S3 and Confluence Wiki
- Create Certificate Tracker across 37 AWS accounts (Venafi, AWS ACM)
- Architect and implement Github Workflows and CI/CD w/ Git Hooks, Jenkins, AWS profiles, Serverless, it was adopted by entire org
- SAP (S4/HANA, CPI) ServiceNow, Oracle Cloud, OWS, CloudFormation, Terraform, Jenkins (Groovy), Github, ~40 AWS Accounts, Power BI, Mulesoft, AWS EC2, AWS AMI, AWS IAM, Lambda, Artifactory, EKS, Tax & Treasury, CoreFinance Team, Load Balancers, Serverless Framework, SAP Data Warehousing (ETL), Matillion ETL, Snowflake, Splunk Universal Forwarders, Figma, AWS Lambda w/ Layers and Python 3.12, Docker & AmazonLinux2, AWS API Gateway, AWS CloudTrail, AWS EventBridge, Route 53, AWS Cognito, Kinesis Firehose Streams, SQS, SNS, AWS Cloudwatch (Events, Logs, Alarms, Synthetic Canaries, x-ray), Cloudtrail, AWS Cognito User Pools, ELB, ALB, Auto Scaling Groups, AWS Systems Manager Automation, GovCloud

Twist Bioscience, South San Francisco, CA (95% Remote)

5/23 – 4/24

Sr. Software Engineer – API Integrations

- Work on both internal code for DNA Vector Ordering, and developing larger org CI/CD changes
- Python Django, ArgoCD, Drone CI, Github, POSTMan, Swagger, SAPSalesforce, Docker, Docker Compose, Conventional Commits, Kubernetes, Okta, E-commerce, Logz.io, Sonar/Codacy, SAP, SFDC
- Erlang 21+, Elixir 1.7+, Mix(build), Hex(packages), Postgresql
- Facilitate communication between Meta and Teradyne teams to ensure seamless product delivery.
- Architect and implement Github Workflows and CI/CD

Choreograph, New York, NY (100% Remote)

9/23 – 1/24

Sr. DevOps/AWS Engineer

- MLOps supporting Online Advertising AI. (Unilever Brands)
- AWS based DevOps (EKS, EC2, RDS, VPC, Route 53, CloudTrail, Access Analyzer, STS, S3, Resource Groups & Tag Editor, CloudTrail, Cloudwatch, Athena)
- Airflow DAG, KNIME ETL, Jenkins build Automation, SVN->Git migration
- SVN, GIT, Maven, JIRA
- Migrated all AWS resources from unmanaged into Terraform
- Hands on Coding Python Flask, Node (ReactJS), Docker, Kubernetes
- GCP (VMs, VPC Firewall, Artifact Registry, OIDC, SQL Instances, Load Balancers, Storage Buckets)
- Created Github Actions

Facebook - Meta, Menlo Park, CA (95% Remote)

9/22 – 2/23

Solutions Architect/Technical Project Manager

- Led and managed multiple teams totaling 15 members.
- Facilitate communication between Meta and Teradyne teams to ensure seamless product delivery.
- Hands-on mentorship of mid-level and senior software engineers to improve their skills in Python Django, and AWS Cloud Self Service using Terraform. (EC2, ALB, S3, DynamoDB, Route 53, IAM, CloudFormation, Lambda)

- Developed a custom Git client for testing silicon wafers behind a firewall and created a Registry Editor for silicon wafer development, resulting in improved productivity and efficiency for the teams.
- Conducted application security and privacy assessments.
- Architect and implement Github Workflows w/ CI/CD
- Internal tooling such as Jellyfish, Phabricator. Version control w/ Mercurial, Git DVC, and Git LFS.
- Created comprehensive project documentation, including user stories, process flows, and data diagrams.
- Create Figma UI/UX designs, written in React (JavaScript), Typescript, Redux, HTML5, CSS3.

Lockheed Martin Rotary & Mission Systems, Orlando, FL (100% Remote)

7/22 – 12/22

DevSecOps Engineer

- Developed and implemented MBSE (Model Based Systems Engineering) strategies.
- Utilized DevOps tools such as Gitlab Pipelines, Docker, Kubernetes, and Helm Charts, Istio Mesh.
- **Azure GovCloud**
- Docker image cybersecurity scans w/ Aqua.
- Write code with Python Flask Framework, OAuth 1.0, write BASH installer scripts.
- Designed and implemented Azure cloud-based microservices architecture, Kafka, MongoDB, Java, Maven.
- Developed REST APIs and implemented custom messaging queues.
- Created UI/UX for subscription management using NextJS (JavaScript), Typescript, HTML5, CSS3.
- Mentored interns and wrote technical documentation.

John Deere Financial, Des Moines, IA (100% Remote)

8/21 – 7/22

AWS Engineer (MLOps)

- Use AWS Textract for NLP of scanned documents. (AI text from image)
- Event Driven Serverless Architecture.
- TDD Microservices AWS Lambda w/ NodeJS & Typescript.
- Utilize Lambda, S3, SQS, SNS, Api Gateway, Route 53, and DynamoDB.
- Use Git, Jenkins, Terraform, AWS CloudFormation, and Artifactory.
- Create Jenkins/Blue Ocean Pipelines.
- Confluence to store team documentation.
- New Relic Observability Platform.
- IBM FileNet CMIS REST API
- Cybersecurity measures such as Okta, OAuth, Vericode scans, and Bucket AV scans.

Booli.ai, Houston, TX (100% Remote)

5/21 – 9/21

Lead Software Engineer - Cybersecurity

- Cybersecurity Investigation, Security information & Event Management (SIEM)
- Lead Frontend, Co-lead Python Django Backend, FastAPI
- Write React/Redux code w/ Typescript, Hooks, and Material UI.
- Consume comprehensive set of API's with Axios.
- Python backend w/ AWS ElasticSearch.
- Frontend Unit/Snapshot tests w/ Jest/Enzyme.
- Use pre-commit/eslint to autofix format.

Chan Zuckerberg Initiative, Redwood City, CA

3/20 – 12/20

Sr Full Stack Engineer

- Write React/Redux code w/ Typescript, Hooks, and Material UI.
- Send Sentry Alerts from application errors.
- Apply single responsibility principal to refactor existing app.
- Use JSON to represent a nested tree data structure, create a depth-first-search algorithm to render UI components using Factory Pattern.
- Frontend Unit/Snapshot tests w/ Jest/Enzyme
- Write backend code with Python's Django, GraphQL, PostgresDB, and unittest.
- Use pre-commit/prettier/eslint to autofix format.
- Add CI/CD Git Actions Workflow to run Jest tests and pre-commit checks.
- Auto deploy to AWS EC2 with Heroku from dev->Staging->Prod.

23andMe, Sunnyvale, CA

11/19 – 1/20

Lead Python Engineer

- Work on the way DNA machines move data between processes.
- Use Bitbucket, AWS CodeCommit, & GitHub.
- Use AWS Lambda and DynamoDB with hourly CloudWatch alarm running function written in Python.
- Use mutual TLS Authentication with AWS KM for Certificate verified by AWS CA, on NginX.
- Use AWS IAM roles instead of storing secrets. (Cybersecurity Best Practice)
- Build Docker images and push to ECR with AWS Codebuild.
- Deploy AWS Fargate ECS Cluster, with Load Balancer and Auto Scaling Group on Ubuntu EC2 instances using CodeDeploy, wrapped in an AWS CodePipeline.
- Use Swagger UI with Python Flask Rest Api using Boto3, OAuth 2.0.

Airbnb, San Francisco, CA

7/19 – 10/19

Lead Software Engineer

- Designed a scalable distributed system with GIT, Jenkins, Chef, Artifactory, Docker, EC2 instances, auto-scaling groups, load balancing, S3 Buckets, Cloudfront, LogicMonitor, Cloudwatch, & Terraform
- Cybersecurity measures include being built with Mutual TLS & IP Range Restriction, OAuth 2.0.
- Lead internal relationships with other departments such as Engineering Security.
- Write micro-services with ExpressJS and Java, mentor junior developers.
- Write Functional Requirement documentation with UML diagrams.
- Write High & Low Level Design Documents with UML diagrams.
- UML Diagrams used: Use Case, Sequence, Component, & Class.

Expedia Group, San Francisco, CA

2/19 – 7/19

Sr. Full Stack Engineer

- Write AngularJS code with Grunt, Node packages, and testing with Cucumber E2E, Karma, and Jasmine.
- Use JIRA, Git, Confluence, and Slack for project management and collaboration.
- Develop Java microservices with DropWizard Framework (Spring, Hibernate, Jersey, Jax-RS, Maven, and Jackson for JSON, Jetty HTTP) and write Unit tests using JUnit.
- Configure Jenkins for CI/CD build automation and integration testing with pull requests.
- Monitor and debug applications with Splunk and Datadog.
- Write NodeJS microservices hosted on Amazon AWS.
- SQL Server, Redis, and MongoDB database management and configuration.
- Assist with QA testing for both frontend and backend.

General Dynamics, Tampa, FL (90% Remote)

11/17 – 1/19

Principal Sr. Software Engineer

- Architect full stack applications. Backend using Python's Flask Framework and SQLite. Frontend using ReactJS, Typescript, NPM, Webpack 3, Thunk, Redux, Babel, Axios, and more.
- Microservices using: Grails (Spring Boot) and MongoDB, C# .net with GraphQL, WebSockets (SignalR).
- Design UI/UX using Axure RP8, using stakeholder specifications.
- Database migration from MongoDB to Postgres.
- Create Shell Script Linux installer, and create Windows Exe installer using Inno Setup w/ Pascal scripting.
- Use Git for version control and set up CI/CD AWS server for nightly builds with Jenkins.
- Write technical documentation, and create UML diagrams.
- Deploy and manage Amazon AWS EC2 instances with Active Directory Service.

United States Special Operations Command, Tampa, FL

2/17 – 10/17

Sr. Software Engineer

- Architect applications with AngularJS, HTML5, CSS3, C#, and various JavaScript libraries.
- Secured and Segmented Cybersecurity and Application Security Environment.
- Re-factor existing AngularJS project up to Software Engineering best practices.
- Organize existing team's Software Engineering processes to be more structured.
- Utilize SharePoint 2013 and 2010 REST API's and improve existing SharePoint workflows.
- Use people skills and logistics to add new API data from within the command to existing software.
- Stand up and maintain Windows 2012 Server, SharePoint Server 2013, and MS SQL databases.
- AWS GovCloud (EC2, S3)

Flir Systems, Orlando, FL

6/16 – 9/16

Embedded Software Engineer

- Build custom Linux Kernels, Modules, and Ubuntu/Debian Root File Systems for Tegra X1/K1(ARM64) boards.
- Use Serial Interfaces to access UBoot/TBoot with RS232 to TTL connection and to flash custom OS.
- Built local Apt repository for internal Linux packages.
- Write Makefiles and executable Perl scripts for build automation.
- Participate in Architectural design.
- Design, implement, and analyze systems tests.
- Use AccuRev and GitLab for Version Control and Software Configuration Management.
- Stand up MySQL table space encryption using DM-Crypt and LUKS file encryption. (Cybersecurity)
- Assist/Train intern on web Frontend for CSS3/HTML5 styling.

Leidos, Orlando, FL

6/15 – 6/16

Software Engineer

- Peer reviewed Software Development Lifecycle (SDLC) of the OneSAF application.
- Write UML class diagrams, Sequence diagrams, and software requirements specification documents.
- Use Java, Groovy, Gradle to write models and behaviors in OneSAF VR simulation software, ava's Apache POI library to parse/write .xlsx documents using VIM as primary text editor.
- Use JIRA, DOORS, Command line Git, Command line SVN, Confluence, and myBalsamiq.
- Write code in JavaScript, JQuery, Backbone.js, Aura.js, Require.js, Gulp, Bootstrap, HTML5, CSS3, and LESS.
- Use RDF Triplestores and write SPARQL queries.
- Visual C++ .net with QT, GDAL, OpenSceneGraph, Proj.4, Log4Cpp for 3d Army simulation software.
- Build x64 and x86 C++ libraries from source code using Make.
- Use Unity3d, ArcGIS, and GeoServer to convert GIS data into a usable 3D Virtual Simulation.

Beachfront Media LLC, Ormond Beach, FL

1/15 - 5/15

Software Engineer

- Design, build, and deploy a multi-threaded high volume distributed video encoding REST API that utilizes ffmpeg, AWS EC2, AWS S3, Mongo DB, JavaEE with Maven, and Tomcat, OAuth 2.0.
- Build an Arris embedded TV cable set top box app using pure JavaScript and JQuery.
- PHP using the FirePHP framework and Kendo UI with FontAwesome.
- Used GIT for version control.
- Used Jenkins for continuous integration.

BlitzMetrics New Hope, MN (Remote)

6/14 – 11/14

Software Engineer

- Design use case diagrams and Software Specifications documents from verbal specifications.
- PHP CodeIgniter Framework (MVC), MySQL, HTML5, CSS3, FontAwesome, AngularJS.
- Open source CodeIgniter contribution for the Basecamp API on GitHub.
- Data Science on social media marketing analytics.
- Used JQuery and DataTables.net plugin
- Connect with Twitter, Youtube, Facebook API's using OAuth 2.0.
- Used GIT for version control.

Blitz Local, Portland, OR (Remote)

06/11 - 11/11

Software Engineer/Data Scientist

- Ads and Marketing Data Science on social media metrics/statistics (10M + Database Entries).
- Work with fortune 500 clients Nike, Red Bull, Lane Bryant, and Nickelodeon.
- Built a native Java Android app with Computer Vision Face Detection using Face.com API.
- Used OAuth 2.0 for Twitter, Facebook, and YouTube REST API's with custom rate limiting.
- Used PHP (OOP), HTML, CSS, MySQL, Git for version control.

Mavericks Technology, Orlando, FL

04/09 – 12/23

Software Engineer

- Architect custom systems in C++, Java, PHP5, HTML5, CSS3, LESS, AS3, MYSQL, AngularJS, Node.js, Python, and Python Django Rest Framework, Javascript, Typescript
- Use the CodeIgniter PHP framework.
- Used GIT for version control.
- Logos and illustrations with Adobe Photoshop and Adobe Illustrator.
- Implemented several Live Chat Bots.
- Serviced 30-50 Full Stack Programming Contracts.

InThisCity.info, Orlando, FL

01/09 - 04/09

Application Developer

- Write PHP and ASP.net, MSSQL, HTML, JavaScript, CSS for a social network type application.
- Used Dreamweaver and Visual Studio as IDE's.
- Used Adobe Photoshop and Adobe Illustrator for creating and slicing layouts.

American Sign and Printing, Orlando, FL

01/08 - 01/09

Graphic Designer/ Web Developer

- Web Development in HTML, CSS, Flash, Organic SEO.
- Made hundreds of designs for print and web in Adobe Photoshop and Adobe Illustrator.
- Production logo design, brochures, business cards, and calendars for print.
- Used Adobe InDesign for building printed pamphlets and book layouts.

Certifications

- AWS Solutions Architect – Professional Certification (SAP-C02)
- DOD Secret Clearance
- CompTIA Security+ Certification