Allan Pahn

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Technical Experience:

- **Languages**: C#, Python, Javascript/HTML/CSS, SQL
- **Frameworks, Libraries, and Tools**: Node.js, Express.js, ASP.NET MVC, .NET Core/Standard, Jquery, bootstrap, React.js, Git, Jenkins, Terraform, AWS (S3, SNS, SQS, Lambda, DynamoDB, Aurora, API Gateway, EC2), Microsoft SQL Server, Splunk, Artifactory

Education:

University of California, Irvine   March 2017

Bachelor's Degree, Computer Science   Irvine, CA

Work Experience:

Cox Enterprise / Automotive

Software Engineer II   January 2018 – Present | Sacramento, CA

- Collaborated within an AGILE team to develop enterprise level, mission critical software products that handles the titling solution for over 6700+ financial lenders
- Designed and developed cloud infrastructure (Terraform, AWS) and Created CI/CD pipelines in Jenkins for cloud service deployments and Artifactory package management.
- Developed a client library for a scalable Window Service that transfers tens of thousands of daily bank account and DMV records to and from on-prem databases and AWS storages.
- Implemented front-end business accounts and titles work queues for client lenders using libraries such as ASP.NET MVC, bootstrap, Jquery, knockout.js, and React.js.
- Employed a Test Driven Development (TDD) mindset to back-end development with unit tests.
- Incorporated ORM technologies (Entity Framework) to access data in a SQL Server database.
- Developed over 30+ atomic and idempotent microservices in AWS with robust and well defined stateful and stateless APIs (SwaggerHub documented) that sit in front of services including Lambda, S3, SQS, SNS, EC2, API Gateway, Aurora, DynamoDB
- Leveraged the following AWS services to manage environment configurations and sensitive PII data across services: IAM, KMS, Secret Manager, Parameter Store.
- Created Alerts, Dashboards, Extensive Logging and Monitoring across all products and services using New Relic and Splunk.
- Worked with a product owner to identify, define, and refine features and stories.
- Assisted QAs with writing automated tests for their test suites in Python.
- Participated in thoughtful working sessions with an AWS Solution Architect to design and implement business cloud solutions to migrate away from legacy monolith .

Promenade Software, Inc.   ~3 years

Software Engineer   June 2016 – September 2017 | Irvine, CA
Software Engineer Intern   October 2014 – June 2016 | Irvine, CA

- Designed front-end UX using HTML, JS, and Angular for medical applications designed to track and monitor a user's health diagnosis
- Wrote accurate and precise Python simulations of prototype embedded devices to create inputs that drive the client application.
- Collaborated with a client as lead developer to design and architect a **.**NET desktop application used to monitor and adjust a device which treats emphysema by administering steam directly into lungs via a catheter.