

Brad Moran

Philadelphia, PA
215-407-2932
BMoran620@gmail.com

Technical Skills

JavaScript, Java, Python, C*, Objective C*

* Only used for small projects or experimentation

Node.js, Express, Play! Framework, Django, SQL, React, Redux, Electron, Bash scripting, JUnit, Jest, Jasmine, Apache Jena / SPARQL (Semantic Web), XML/XSD, Docker, ExaVault (API), CircleCI, Git (GitHub and BitBucket), Wordpress, Chrome Extension Development, Google Cloud Scripting/APIs, Websockets*

Amazon Web Services: Lambda/API Gateway, EC2/ECS/Elastic Bean Stalk, RDS, IAM, Key Management Service, Cognito, VPC, S3, Route 53, Cloudwatch, RedShift*, Glue*, QuickSight*

PostgreSQL, MySQL, MongoDB

Tool Preferences: macOS, IntelliJ IDEA or VS Code, Jira (Atlassian), Git (GitHub or Bitbucket), Postman, Virtual Box, Slack

Patterns: Adapter/ServiceLoader, Event Sourcing, Customization vs Personalization

Experience

Lead Software Engineer

PowerPay LLC, King of Prussia, PA (<https://getpowerpay.com/>)

June 2020 –Present

- Primary maintainer of Loan Origination Software that processed over \$1 billion dollars in requests and funded over \$400 million dollars in loans. I used many AWS Lambda functions (Python and JavaScript) to orchestrate backend processing outside of the third party platform.
- Sole Developer of the internal Loan Management System. Initially inherited as a small Python/Django prototype, I built the final project using a Node/Express backend, a React front end, and a PostgreSQL database. I also used Amazon Web Services heavily for this project including a secure VPC architecture deployed to EC2 servers, Cognito authorization and user management, Simple Email Service for notifications, Route 53 for DNS lookup / forwarding, and RDS for database management.

- Administrator and maintainer of all Amazon Web Services, Atlassian (Jira/Confluence), GitHub, CircleCI, and other services for the company.
- Built a Chrome Extension to facilitate address verification during the underwriting process. This tool leveraged the HouseCanary and Google APIs.
- Partial admin of the Wordpress site.
- Configured many integrations with services like Stripe, Plaid, Socure, HouseCanary, ExaVault, and other APIs such as other loan originators.
- Advised and organized SCRUM teams that were building out our own Loan Origination System, and Data Analytics pipeline.
- Designed and led the developer interviewing, hiring, and on-boarding process
- Led one-on-one discussions with each member of the development team to solicit and deliver feedback for improvement of the team.
- Made significant contributions to the organization of our software development life cycle including documenting Standard Operating Procedures and configuring our Jira system to match those procedures.

Lead Software Engineer

Pinnacle 21, Plymouth Meeting, PA (<https://www.pinnacle21.com/>)

August 2016 –June 2020

Acquired by Certara in 2021 for \$310 Million

- Responsible for producing high quality code and ensuring my fellow team members do as well. Oversaw delivery of most projects during this period. (see CV for project details)
- Made significant contributions on the executive team to guide the direction of the organization. Received executive training from The Table Group, a Patrick Lencioni company (<https://www.tablegroup.com/>). This team was formed in late 2018.
- Implemented the SCRUM process through which we organize our work and determine which team-members will work on tasks. Led the meetings and kept the team clear on priorities.
- Designed and led the developer interview process. Contributed to the developer recruitment process.
- Designed, implemented, and documented the developer on-boarding process.
- Led one-on-one discussions with each member of the development team to solicit and deliver feedback for improvement of the team.
- Developed a process to record development metrics.
- Responsible for parts of the build and deployment processes. Including pieces of set up and maintenance of continuous integration via Jenkins (previously) and CircleCI (currently). Organized Git merging and handled most of the merges. Administered AWS EC2 servers for continuous deployment and testing.
- Made significant contributions to the organization of our software development life cycle including traceability from work done back to requirements and test coverage. Administered our Jira system.
- Signed off on Releases and organized Code Locks for testing.

Software Engineer

Pinnacle 21, Plymouth Meeting, PA

May 2013 – August 2016

- Delivered large features across the platform with a focus on back end work in Java with the Play! Framework (MVC). Most of the front end I worked on at this time was JavaScript with jQuery added to templates that use basic Scala to render HTML pages. This pattern was primarily based on Play! Framework best practices. (see CV for project details)
- Collected and organized technical requirements to complete assigned projects.
- Ensured code was delivered with thorough testing and in working order.

Remote Software Intern

DCG Software Value, Malvern, PA

September 2014 – December 2015

- Implemented and deployed a basic data collection website while learning the SCRUM process.

Education

B.S., Computer Science

Pennsylvania State University, State College, PA

May 2015

Minor: Entrepreneurship

Certifications

Certified Scrum Master

Daily Agile (May 2018)

Scrum Alliance (April 2018)