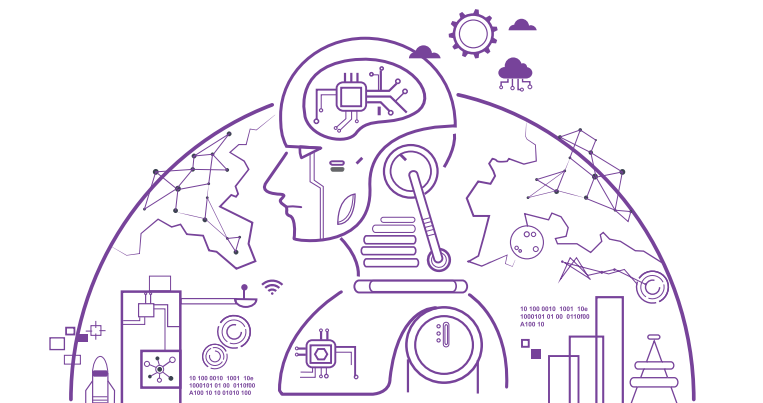


# A mortgage application leveraging machine learning, AI and AWS Cloud

## About The Customer

The client is a digital mortgage start-up company powering mortgage lending in the United States of America. Their application provides a convenient and simple interface for lenders and borrower in mortgage industry to quickly gather sensitive and confidential information in a secure way.





## Challenge:

- *Decrease loan processing time*
- *Secure information and document transfer*
- *Convenient simple user interface*
- *Lack of business agility*

## Solution:

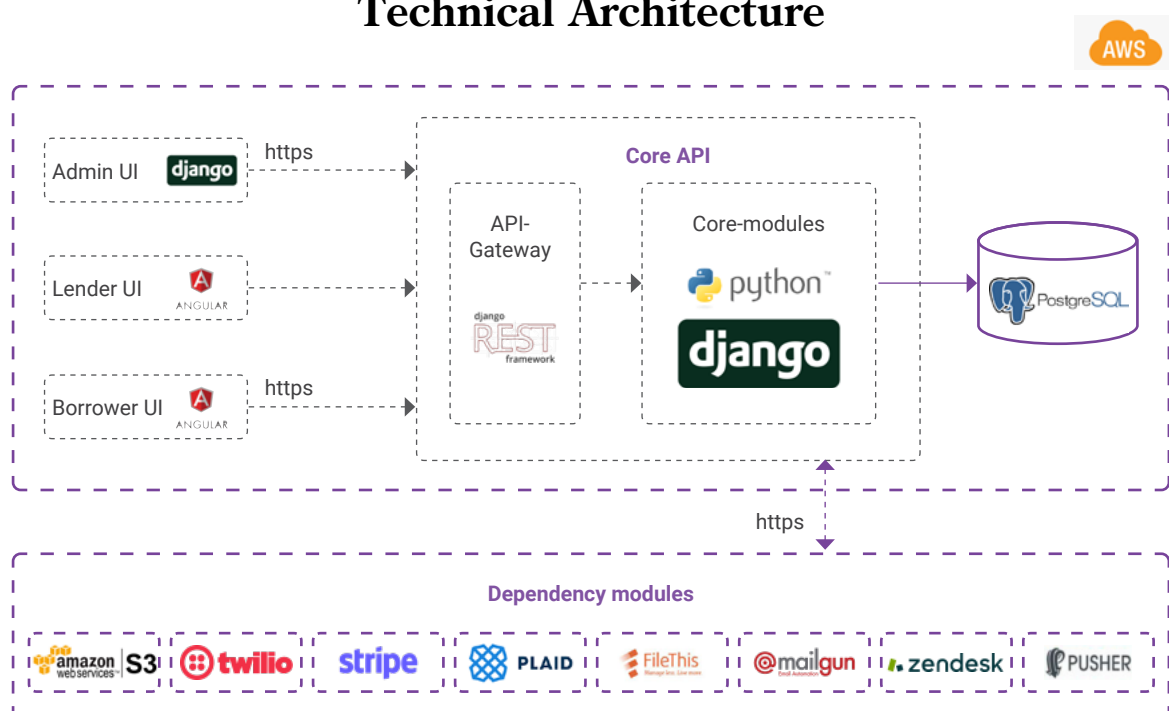
- *We re-designed and re-engineered a mortgage application to speed up loan processing time in a secure manner.*

## The Need

The client was in dire need of decreasing their loan processing time with an efficient application. They wanted to secure transfer of information and documents with a convenient and simple user interface. They also wanted to leverage the power of artificial intelligence, partner with DevOps and wanted to enable predictive data modelling. Their operating environment lacked business agility.



## Technical Architecture





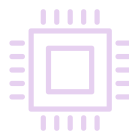
## Results:

- *The application can be easily integrated with existing systems and processes at client's customer locations.*
- *Development lifecycle was streamlined to ensure faster and more efficient delivery by incorporating DevOps processes.*
- *The application enables the entire loan processing to complete within a week, which normally used to take months to complete.*
- *Decreased time to market by accelerating development through reusable libraries.*

## Aspire's Solution

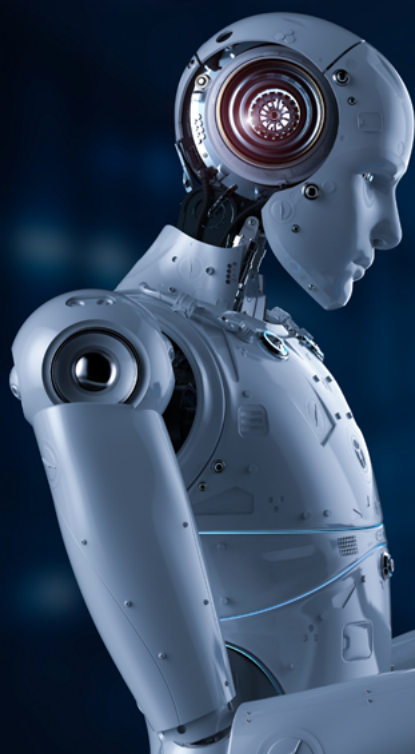
Our experts re-designed and re-engineered the application through DevOps. Designed the UI for better customer engagement and user experience. Implemented new features to improve process flow as per industry practices. Leveraged artificial intelligence, machine learning and predictive data modelling techniques for analytics enabled predictive services.

## Technology Snapshot



- |              |                  |
|--------------|------------------|
| » Python     | » Amazon RDS     |
| » Amazon Ec2 | » Amazon Fargate |
| » Amazon S3  | » MySQL          |





## About Aspire



Aspire Systems is a global technology services firm serving as a trusted technology partner for our customers. We work with some of the world's most innovative enterprises and independent software vendors, helping them leverage technology and outsourcing in our specific areas of expertise. Our core philosophy of "Attention. Always." communicates our belief in lavishing care and attention on our customer and employees.

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