

# Web based Case Investigation Life Cycle System for Legal/Investigation Agencies

## CASE STUDY

Algoworks helped a progressive and fast growing company which specializes in advanced software solutions for the justice and public safety industry, in conceptualizing and implementing a comprehensive web based case investigation life cycle product.

### CUSTOMER

Client is a globally recognized in advanced software solutions for the justice and safety industry. The client is a known figure and pioneer on various communities, forums and platforms related to Case Management & Case Investigation Life Cycle Suites.

### BUSINESS SITUATION

Client had lot of independent pieces of software and utilities which were based on disparate Technologies and often had lot of redundant code and features. The system overall was difficult to use and lacked in centralized approach of control. Client wanted to come up with a fresh comprehensive suite which:

- Is a web based system based on Java/J2EE technology stack.
- Is highly configurable and scalable for his future development needs.
- Has a license based feature access.
- Has elements of social networking.
- Provides template based documents generation in various formats.
- Has comprehensive backend functionalities.
- Uses rules engine and workflows to a great extent to overcome manual intervention.

### SOLUTION

Algoworks team analyzed the client's requirements and then came up with system architecture. The solution proposed involved integration of various systems into a one comprehensive solution and also develop custom modules for controlling features across various system. E.g:-

- Comprehensive and dynamic permission module for the system
- License based feature access control.

As a part of system architecture our team came up with a lot of new ideas and better and efficient ways of handling customer requirements like:

- Development of custom licensing module as opposed to a preexisting tool.
- Use of tools like PD4ML for HTML to PDF conversion.
- Analytics & Reporting tools for various views

### BENEFITS

- ✓ Interactive and user friendly UI and flow.
- ✓ Ease of use and highly configurable Admin section.
- ✓ Highly secure application access.
- ✓ Save on paper system cost.
- ✓ Quick, low cost and open source development.

### Case Investigation Life Cycle Management

Platform - Java/J2EE

Domain: Legal, Case Management, Investigation Life Cycle

### Engagement Key points

- Engagement started in 2009
- Ramp up time from SOW sign off - 2 days
- Peak Team Size - 5
- Team composition - Project Manager, Architect, Software Developer, Test Engineer
- SDLC: Agile

### Tools and Technology used

- Java/J2EE
- Spring/Struts/Hibernate/JPA/EJB3
- Ajax/Velocity/Sitemesh/Dojo
- MYSQL 5
- Maven
- SVN - configuration management

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