TIMOTHY LUNA
DEVELOPER

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Personal Profile

I am a software developer currently working for Exmar Offshore Company.

At Exmar, my primary role is to administer and develop new features for our in-house project management suite of tools. For the last 5 years I have been a solo developer working alongside a small group of offshore engineering project managers. I was originally an electrical systems designer but after creating several smaller tools, I transitioned to a full-time developer role. Since its creation, this software has managed 290 projects with budgets totaling over $100,000,000.

Skills / Technologies

Front End	HTML**	CSS**	JavaScript**		
Back End	C#****	SQL***	VB.NET****	Web APIs***	Python**
Libraries / Frameworks	Asp.NET***	Django**	React**	Bootstrap**	Entity Framework***
DevOps	Docker**	AWS*	Azure*	Git**	

Education

Lone Star College
Tomball, Texas
Associate of Arts, 2004-2007

University of Houston - Victoria
Victoria, Texas
Completed 68 credits towards a BS in Computer Science

Employment

Exmar Offshore Company   2012 - Present

≥ Full-Stack Engineer
  ≥ Develop and deploy in-house web and native applications for various company disciplines and workgroups.
  ≥ Work with non-technical team members to shape direction of project. management software.
≥ Sharepoint Administrator
  ≥ Create project / document sites for document control use.
  ≥ Manage site permissions for internal and external users.
  ≥ Interact via Sharepoint Rest API.
≥ Supervisor Experience
  ≥ Supervised recent graduate intern in developing library to consume Rest data from external source.

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Major Projects

Project Management Suite (C#/VB.NET Win Forms, MS SQL Server)

- ≥ Offshore engineering project management suite.
- ≥ Became the centralized repository for business logic, rules, and data such as billing rates, user roles, project rate sheets, disciplines, groups, clients, employees, etc.
- ≥ Streamlined new project requests and job number creation process. Sends emails for responsible parties and defines project in third party timesheet application.
- ≥ Creates project work breakdown structure to define scope of work to be performed.
- ≥ Estimation creation tool creates project task budgets from user rates and estimated hours. Baseline is then created from estimate and re-baseline following change-orders.
- ≥ Scheduling tool for resources and expenses. Necessary for managing many concurrent projects with limited resource role availability. Emails employee and provides access to charge to task items in timesheet application.
- ≥ Tracks project deliverables status, revisions, and transmittal history.
- ≥ Processes incoming third-party documents. Stores files and tags with metadata for future search.
- ≥ Expense register for temporary project sites. Tracks all expenses used for remote offices.
- ≥ Startup dashboard displays organization project schedule, budget, as well as other metrics and KPIs
- ≥ Retrieves user timesheet and time-off data from third party timesheet tracking service.
- ≥ Excel exports for various reports.
- ≥ Change log timestamps changes to database along with user that made change.
- ≥ Has automated dozens of tasks and roles previously performed by members of Accounting, Document Control, Design, Marketing, and Engineering groups.
- ≥ Utilized Xunit for unit testing.

Company Intranet Site (Django, Postgres, DRF, React, AWS S3)

- ≥ Most new requests for in-house tools and applications are developed here.
- ≥ Client contact list / Hierarchy. Allows management to create client contact cards and determine company organization and hierarchy.
- ≥ Dashboard of project graphs of recent project charged hours, future scheduled hours, and resource utilization potential.
- ≥ Custom Kanban board tracks potential projects and proposals. Utilizes React, Django Rest Framework, and Json Web Token for authentication.
- ≥ User authentication required to view beyond homepage. Utilize json web token to pass identity to React frontend.

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Web API (Asp.NET Core, Postgres, Docker, Entity Framework)

≥   Serves API endpoints for legacy MS SQL Server database.
≥   Provides data access for other in-house products.
≥   Postgres docker database is currently not in use. Intended to replace legacy SQL database.

Stability Report App (WPF, SQLite)

≥ Desktop application used to track ballast and vessel dead weight items.
≥ To be installed on Exmar designed offshore production vessels where stability calculations services were performed.
≥ Reverse engineered from pre-existing Excel based tool.
≥ Intended to provide a more user-friendly tool for clients.

AutoCAD Plugin (C#)

≥ Utilized AutoCAD SDK to create new ribbon tools for Design group.
≥ Batch tools for "sanitizing" drawings, updating layer definitions, and ensuring drawings were created to Exmar standards saves designers 1-2 hours per drawing sheet.