

# R. Leah O'Shell

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Business Process Consultant, Software Engineer, Product/Project Manager, Developer, Systems Analyst, Information Architect. Specializing in database-driven applications and seamless technology integrations.

## Experience

**Aeon LUX Enterprises, LLC Oak Ridge, TN** March 2023 - Present

- 3d Modeling and CAD/CAM for rapid production design.

**Aeon Development Group, Hackensack, NJ** May 2004 - Present

- Leveraging FileMaker, MySQL, and PHP to create robust, scalable solutions.
- Collaborating with stakeholders and staff to identify pain points and develop targeted solutions.
- Conducting comprehensive systems analysis, identifying opportunities for process improvement.
- Design, develop, and deploy database-driven apps tailored to meet specific client needs based on analyzing processes, workflows, and standard operating procedures.
- Hands-on developing, actively coding features in database-driven applications.
- Work directly with clients on-site and remotely to solve business problems and workflow issues.
- Planning and implementing data-driven decision-making processes from analyzing user data.
- Integrating various technologies, ensuring seamless interoperability between disparate systems.
- Producing high-quality motion graphics and video content for promotional and marketing campaigns.

**Pretty Ugly LLC | Turn Up The Music Inc** January 2003 – May 2004

- New Media Specialist, Webmaster, and Data Architect for the UglyDoll and TUTM websites.
- Interactive CDs, Developing Object Oriented Code for Games in Flash, JavaScript, and HTML.

**The Learning Company, Knoxville, TN/Fremont, CA** March 1994 – December 1998

- Multimedia Artist Level 2 - Interface design, layout & animations. Lead on many software titles.
- Design for minimum machine requirements. Palette work, data rate reduction issues.
- Developed a process of rapid prototyping within the art department.

## Education

**William Paterson University, Paterson NJ.**

Bachelor of Arts in Communication, 2004 – Magna Cum Laude • GPA: 3.975

- Interned on campus as a Producer for "Open Minds" television production.

**Roane State Community College, Harriman TN**

Associate of Science in Computer Art and Design, 1994 - Cum Laude • GPA: 3.5

## Publications

Principles of Visual Communication: A Comprehensive Guide ISBN: 9781387233557

## Skills

- PHP, MySQL, HTML5/JavaScript, XML, JSON, SOAP, FTP, Secure FTP Protocols, and Tumult HYPE.
- Project Management, Data & Systems Analyst, Software Engineering, Data Science, Workflow Assessment, Product Development, Software Architecture and Design, Data Architecture, Interface Planning, UX and UI Design.
- FileMaker Pro/Server Expert (vs 6- FileMaker 2023).
- Tall Stack Developer – Tailwind CSS, Alpine JS, Laravel, Livewire
- Laravel Development – develop and maintain secure applications. Laravel 8-11, Livewire, AlpineJS, Breeze, Jetstream, Sanctum, Scout, Telescope, various packages using Composer.
- API Development in Laravel | API Integrations with FileMaker and Laravel (using Postman).
- Web Server Administration - Install and maintain Linux, CPanel Hosting with WHM, and manage web hosting for premium clients. Maintain server applications and PHP modules, and monitor system health.
- VM Sphere to manage multiple virtualized servers. 2X / Parallels client installation and management.
- Webmin, aaPanel, VirtualMin, and Linode
- MYSQL data manipulation via command line or visual tools, including phpMyAdmin and DataGrip.
- WebStorm, PhpStorm, ATOM, Eclipse-based Editors, ZEND Studio, BBEdit, X-Code, Sublime
- JavaScript flavors include Alpine JS, JQuery, React, and Tumult Hype (an ever-growing list).
- Graphics: Print, Web, and Packaging Design. Expert in Adobe Master Suite / Creative Cloud
- UI design tools including Bootstrap Studio, Blocs, and XD
- NetFabb, TopMod, OpenScad, Simplify3d, Fusion 360. Develop 3d models of items to realize in 3d printing processes & manufacturing. 3d model for use in animations and video production.
- Television Production -scriptwriting, rundowns, booking guests, camera operations, chyron credits, teleprompter operation, and bumper-style animations.
- CAD | CAM for 3d Printing & CNC, 3d Model for Prototyping.
- Microsoft Office Suite, Various Project Management Tools.
- Adobe Creative – 20+ years in photoshop

## FileMaker Experience / Certificates

- More than 20 years of experience with developing in FileMaker since FileMaker 6.0.
- Co-Developed FileMaker solutions for Logistics, Warehousing, Inventory, and Order Processing.
- Modified and modernized existing FileMaker Pro solutions for clients.
- Experienced with using various FileMaker Plugins, MBS (Monkey Bread Software), 360Works.
- App Developer for Claris Connect Associate, App Developer for Claris FileMaker Pro Associate.

## Organizations

- Women In FileMaker, NJ FileMaker Pro Users Group / NY FileMaker Pro Users Group, FileMaker Technet

References Available upon request. Other interests can be inferred at [www.oshell.com](http://www.oshell.com)