

DAMIEN HOUSE

ANALYSIS, DESIGN, ENGINEERING, ADMINISTRATION

Distinguished engineer experienced in the architecture and production of information systems and software applications as a full stack engineer, software systems architect, and administrator of development operations.

OVERVIEW

- Continuous learner, routinely engaged in deep dive studies on software development tools and practices to further skillset, knowledge, and professional development.
- Craftsman and philosopher, dedicated to the study of technology in business and society.
- Abstract artist, channeling passion for science and engineering into specialized research and development work.

BUSINESS PRACTICE

- Leading the design and development of information systems that support strategic initiatives and business models; collaborating with clients, teams, and stakeholders to assist in defining and producing deliverables; coaching principle, pattern, technique.
- Integrating distributed systems that include desktop and mobile technology, security software, database applications and web services; successfully implementing technical solutions.
- Analyzing emerging technologies; identifying and understanding large scale issues and opportunities, areas that improve operating results; determining the appropriate course of action and delivering long-term sustainable and scalable solutions.

SOLUTION ARCHITECT

<i>2007 - Present</i>	<i>18yr</i>	Web Design, Digital Marketing	interactive media, portal, website, content management system, human centered design
<i>1997 - Present</i>	<i>28yr</i>	Platform Engineering, Development Operations, Business Intelligence	application, database, software, enterprise, process management, design science research

PROFESSIONAL EXPERIENCE

<i>2022.08 – 2025.04</i>	<i>2yr 9mo</i>	Senior Technical Consultant: Subject Matter Expert
Washington, DC		GXM Consulting
		United States Department of Commerce: International Trade Administration, Office of Public Affairs, Digital Services
		<ul style="list-style-type: none">• Web Design, Digital Marketing, Platform Engineering, Development Operations, Business Intelligence (portal, website, application, software, database, enterprise): www.trade.gov• Software System: client-server, web-browser, mobile, windows, linux, chromeos, azure, github, acquia, docker, ddev, nginx, redis, mysql, php, twig, sql, jquery, javascript, html, css, sass, drupal-9-10• Production (Form, Function): analysis, design, engineering, administration / agile / 15.person

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DISCIPLINE

SOLUTION ARCHITECTURE

- Production
User Experience, Product Management
planning, research, exploration, analysis, synthesis, evaluation ~ objective, scope, process, strategy, roadmap, epic, story, requirement, user research, documentation, specification, function, principle, pattern, prototype, concept, model
- Form
Information Architecture, Interaction Design
drafting, structuring, organizing, classifying, defining, refining ~ interface, model, language, semiotics, grammar, syntax, ontology, taxonomy, document, navigation, layout, composition, pattern
- Function
Software Engineering, Information Systems
development, assembly, programming, configuration, deployment, administration ~ software, interface, system, product, architecture, pattern, algorithm, library, framework, platform, service, utility, application, process, workflow

PRODUCTION ROLE

- Solution
Producer :: product management
development, assembly, programming, configuration, deployment, administration ~ software, interface, system, product
- Architecture
Strategist :: information, interaction, software, system
drafting, structuring, organizing, classifying, defining, refining ~ interface, model, language, blueprint
- Consulting
Principal Architect :: analysis, design, engineering, administration
planning, research, exploration, analysis, synthesis, evaluation ~ objective, scope, process, strategy

EXPERTISE

strategy	software development, software platform architecture, software as a service, platform as a service, business process management, toolchain, automation, migration, support
operations	linux, windows, chromeos, android, cloud, aws, azure, google, virtualization, docker, ddev, drush, git, visual studio code, ai studio, firebase studio, openai, figma, microsoft office
ai	nlp, llm, generative, rag, agentic, mcp, lovable, cursor, claude, gemini, copilot, chatgpt
development	drupal, laravel, node, react, twig, sass, bootstrap, jquery, graphql, mysql, sqlserver, oracle, delphi
language	html, css, javascript, typescript, php, sql, powershell, python, go, rust, java, asp, csharp, visual basic, object pascal

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PROFESSIONAL EXPERIENCE

- 2021.07 – 2022.06** **1yr** **Senior Drupal Developer: Technical Strategy**
Washington, DC **Innosoft Corporation**
United States Department of Commerce: National Telecommunications and Information Administration
- Web Design, Digital Marketing, Platform Engineering, Development Operations, Business Intelligence (portal, website, application, software, database, enterprise): **www.ntia.gov**
 - Software System: client-server, web-browser, citrix, windows, linux, apache, mysql, php, sql, javascript, html, css, sass, drupal-7-8-9
 - Production (Form, Function): analysis, design, engineering, administration / agile / 2.person
- 2017.05 – 2020.12** **3yr 8mo** **Principal Architect: Enterprise Systems**
Washington, DC **Focused Management, Inc.**
United States Department of Agriculture: Office of the Chief Information Officer, Customer Solutions - Infrastructure Operations, Platform Services
- Web Design, Digital Marketing, Platform Engineering, Development Operations, Business Intelligence (interactive media, portal, website, application, software, database, enterprise): **Internal and External Agency Websites**
 - Software System: client-server, web-browser, windows, azure, hyper-v, vmware, sccm, solarwinds, splunk, apache, sqlserver, mariadb, python, powershell, php, sql, jquery, javascript, html, css, drupal-7-8
 - Production (Form, Function): analysis, design, engineering, administration / agile / 8.person
- 2013.11 - 2016.12** **3yr 2mo** **Senior Technical Consultant: Subject Matter Expert**
Arlington, VA **Blackstone Technology Group**
United States Department of Agriculture: Food and Nutrition, Agricultural Marketing Service
- Web Design, Digital Marketing, Platform Engineering, Development Operations, Business Intelligence (interactive media, portal, website, application, software, database, enterprise): **www.fns.usda.gov, www.ams.usda.gov**
 - Software System: client-server, web-browser, mobile, linux, akamai, aws, azure, apache-2, mysql-5, php-5, sql, jquery, javascript, html, css, sass, drupal-7-8
 - Production (Form, Function): analysis, design, engineering, administration / agile / 25.person
- 2012.07 - 2013.08** **1yr 2mo** **Senior Interactive Engineer: Technical Strategy**
Manassas, VA **Saforian**
Share Our Strength, FHI 360, Grunley Construction Company
- Web Design, Digital Marketing, Platform Engineering, Development Operations, Business Intelligence (interactive media, portal, website, application, software, database, enterprise): **www.nokidhungry.org, www.fhi360.org, www.grunley.com**
 - Software System: client-server, web-browser, mobile, linux, apache solr, pantheon, apache-2, mysql-5, php-5, sql, jquery, javascript, html, css, less, drupal-7
 - Production (Form, Function): analysis, design, engineering, administration / agile / 15.person

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PROFESSIONAL EXPERIENCE

- 2007.12 - 2012.04 4yr 5mo Senior Software Engineer: Technical Strategy**
Washington, DC Virilion | RepEquity
eBay Government Relations, American Coalition for Clean Coal Electricity, UNICEF, J8 Summit, Baseball Hall of Fame, National Association of Realtors, South Carolina Department of Commerce, Every Mother Counts, Town and Country Bank
- Web Design, Digital Marketing, Platform Engineering, Development Operations, Business Intelligence (interactive media, portal, website, application, software, database, enterprise):
www.ebaymainstreet.com, www.americaspower.org, tap.unicef.org, www.j8summit.org, www.baseballhall.org, members.realtor.org, sccommerce.com, www.everymothercounts.org, www.townandcountrybank.com
 - Software System: client-server, web-browser, mobile, linux, akamai, pantheon, rackspace, apache-2, mysql-5, php-5, sql, jquery, javascript, html, css, drupal-5-6-7
 - Production (Form, Function): analysis, design, engineering, administration / agile / 40.person
- 2003.02 - 2007.07 4yr 6mo Senior Software Engineer: Technical Strategy**
New York, NY Time, Inc.
Time Consumer Marketing
- Platform Engineering, Development Operations, Business Intelligence (application, software, database, enterprise): **Direct Mail, Billing, Renewals, Insert Cards, Online Marketing**
 - Software System: client-server, thin-client, windows-2k, oracle-8, sql, view, stored-proc, visual studio, .net, csharp, object pascal, delphi-5-7
 - Production (Form, Function): analysis, design, engineering, administration / agile / 10.person
- 2002.05 - 2003.02 10mo Senior Software Engineer: Technical Strategy**
Chantilly, VA ActiveHealth Management, Inc.
Physicians Clinics, Hospitals
- Platform Engineering, Development Operations, Business Intelligence (application, software, database, enterprise): **ActiveHealth CareEngine**
 - Software System: client-server, thin-client, windows-2k, oracle-8, sql, view, stored-proc, object pascal, delphi-5
 - Production (Form, Function): analysis, design, engineering, administration / waterfall / 7.person
- 2001.03 - 2002.05 1yr 3mo Principal Architect: Application Development**
Manassas, VA Inte-Great, LLC.
Food and Drug Administration, National Archives, National Highway Traffic Safety Administration, National Institutes of Health
- Platform Engineering, Development Operations, Business Intelligence (application, software, database, enterprise): **TrakStar Enterprise, TrakStar Scan**
 - Software System: client-server, thin-client, mobile, palms, mainframe, windows-2k, access-2k, sqlserver-2k, oracle-8, sql, view, stored-proc, visual studio, vb, object pascal, delphi-5
 - Production (Form, Function): analysis, design, engineering, administration / waterfall / 7.person

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PROFESSIONAL EXPERIENCE

- 2000.05 - 2001.03 11mo Senior Software Engineer: Technical Strategy**
Silver Spring, MD Automatic Data Processing, Inc.
National Account Services, JPMorgan Chase
- Platform Engineering, Development Operations, Business Intelligence (application, software, database, enterprise): **Software Reuse Environment, Benefits Outsourcing System Solution, Open Enrollment Online**
 - Software System: client-server, thin-client, web-browser, windows-95-nt, iis-4, interbase-6, sql, view, stored-proc, visual studio, asp, vb, javascript, html, css, object pascal, delphi-4
 - Production (Form, Function): analysis, design, engineering, administration / waterfall / 8.person
- 1998.11 - 2000.05 1yr 7mo Senior Software Engineer: Technical Strategy**
Baltimore, MD Full Circle Solutions, Inc.
Denali Solutions, Baltimore City Police Department, Baltimore City State's Attorney's Office
- Platform Engineering, Development Operations, Business Intelligence (plugin-framework, api, application, software, database, enterprise): **fcsModularApp, inPursuit Records Management System, Housing Code Enforcement**
 - Software System: client-server, thin-client, windows-95-nt, sqlserver-6.5, oracle-8, sql, view, stored-proc, visual studio, object pascal, delphi-3
 - Production (Form, Function): analysis, design, engineering, administration / waterfall / 9.person
- 1998.09 - 1999.05 9mo Senior Software Engineer: Technical Strategy**
Baltimore, MD Morgan State University
Information Systems and Sciences, School of Business
- Platform Engineering, Development Operations (application, software, database, enterprise): **User Account Manager**
 - Software System: client-server, thin-client, windows-95-nt, oracle-8, sql, view, visual studio, object pascal, delphi-3
 - Production (Form, Function): analysis, design, engineering, administration / adhoc / 4.person
- 1997.08 - 1998.09 1yr 2mo Principal Architect: Application Development**
Timonium, MD Venture Media
Linda Seidel Transforming Cosmetics
- Platform Engineering, Development Operations, Business Intelligence (application, software, database, enterprise): **Payroll Express, MedicalOPS, LstcOPS**
 - Software System: client-server, thin-client, thick-client, windows-95-nt, paradox, access-97, sqlserver-6.5, sql, view, stored-proc, visual studio, vb, object pascal, delphi-1-3
 - Production (Form, Function): analysis, design, engineering, administration / adhoc / 6.person

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EDUCATION

ACADEMIC INTEREST

<i>2007 - Present</i>	<i>18yr</i>	Sociology media studies, software studies, internet studies, computer mediated communication, user research analysis
<i>2007 - Present</i>	<i>18yr</i>	Industrial Design product management, design science, process design, documentation, specification, function, principle, pattern, prototype, concept, model
<i>1997 - Present</i>	<i>28yr</i>	Information Science information management, information, database, interaction design, interface, model, language, semiotics, grammar, syntax, ontology, taxonomy, document, navigation, layout, composition, pattern
<i>1997 - Present</i>	<i>28yr</i>	Software Engineering rapid development, agile, evolution, paradigm, extreme programming, object oriented, framework oriented, refactor, reuse, software, system, product, architecture, pattern, algorithm, library, framework, platform, service, utility, application, workflow, intelligence

SCHOOL

<i>1999.09 - 2000.06</i>	<i>1yr</i>	Computer Science Baltimore, MD University of Maryland, Baltimore County
<i>1997.09 - 1999.06</i>	<i>2yr</i>	Electrical Engineering Baltimore, MD Morgan State University Association of Information Technology Professionals, Chapter President: 1998 - 1999.
<i>1993.09 - 1997.06</i>	<i>4yr</i>	Engineering and Architectural Drawing Baltimore, MD Baltimore Polytechnic Institute U.S. Air Force Junior ROTC, Drill Team. Marching, Concert, Jazz Band. Foreign Language: Chinese.

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REFERENCES

Available upon request.