



Jacob Aman

Vashon, WA 98070

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Highlighted Skills

- Web, cloud systems, and software development background, including full stack web and cross platform app development for desktop and mobile.
 - Programming & Frameworks: HTML, PHP, CSS, Javascript, Node.js, React.js, Redux, Python, RUST, Typescript, Vite, Django, FastCGI, WebAssembly, Tauri
 - Database architecture and management, including MySQL, PostgreSQL, MS SQL, MariaDb
 - Cloud platforms and management, and familiarity with AWS EC2, S3, RDS, Aurora, Supabase and Wasabi
 - Version control and automation: Git and Jenkins, public and private repos
- Over 15 years of experience in landscape, permaculture assessment, design and construction in Washington, California, and New Mexico.
- Organic and regenerative agriculture (10 years) as a farm worker, field manager and permaculture / comms manager.
- Environmental engineering and hydrogeology fields (5+ years) as a scientist, project manager, information technologist and technical writer.
- Data modeling and visualization: 2D / 3D dataset modeling for environmental data, including vector topographic and resource / contaminant migration modeling using Surfer and related software; field sensor data stream APIs.
- CAD: AutoCAD, Land F/X, Sketchup, Vectorworks; skilled at reading, interpreting and marking up complex plans
- GIS: ArcGIS Pro and Enterprise, Mapbox: map creation, dataset management, enterprise deployments, app development (Mapbox), UI design and private / public facing portals
- Technical writing and diagrams for documentation for staff and end users
- Project management experience and training: project life cycle management, stakeholder engagement

Employment History

Founder / Development Lead, Osprey Dev Group, Vashon, Washington

SEPTEMBER 2026 — PRESENT

Nascent web, cloud and software development group centered on clientele in the Pacific Northwest.

Founder / President, Ecotopian Vision Systems, LLC, Vashon, Washington

SEPTEMBER 2025 — PRESENT | ecotopianvision.com

Software development for regenerative design. Our first product suite, Origami Earth, is slated to be released in 2027.

Founder, Lead Designer & Manager, Golden Stupa Ecodesign, Santa Fe, New Mexico

SEPTEMBER 2016 — PRESENT

Founded this landscape design and construction business focused on integrated water retention and management, and aesthetically pleasant edible and ornamental landscapes. Most recently, I have designed and managed projects in Washington state, California and New Mexico. Recent work has been in Seattle, Vashon and Vancouver, WA.

- Business development, client management, and project management: proposals and contracts, project budgeting, estimating for materials, labor and equipment rentals, vendor and subcontractor contract negotiation
- Field crew management and tracking
- CAD drafting and 3D design / rendering
- Construction oversight and post-construction engagement and maintenance

Founder / Manager, Golden Stupa Media, LLC, Santa Fe, New Mexico

SEPTEMBER 2016 — PRESENT | goldenstupa.media

Founded and developed a digital and print media services company in Santa Fe, NM that has provided nearly 10 years of web and cloud systems development, virtualized web hosting and server management, and design services. Strategically hired and led a team of up to five people.

- Full stack web development and cross platform app development for MacOS, iOS, Windows, Android, Linux and cloud-based web platforms
- Cloud database architecture and management for CRM, healthcare (clinic HIPAA-compliant data and clinical trial recruitment) and scientific databases
- Additional environmental science consulting, including assisting with sea level rise and climate change studies, environmental sensor API connectivity for public data reporting, and enterprise GIS deployments for tribal and government agencies.

Technical Writer (Part time / Remote), Weber, Hayes & Associates, Inc, Watsonville, California

JANUARY 2024 — OCTOBER 2024 | weber-hayes.com

Recruited back to assist with project backlog, including technical report writing, CAD drafting, and web development for environmental engineering and hydrogeology firm. Composed work plans, remedial action plans, feasibility studies, case closure documentation, environmental deed restrictions, SWPPPs, and other documents. Analytical dataset reviews and QA/QC of soil, soil vapor, water, and air chemistry data.

Farm Manager, Synergia Ranch Organics, Santa Fe, New Mexico

DECEMBER 2022 — DECEMBER 2023 | synergiafarm.com/

Managed a 0.5-acre no-till organic market vegetable garden and assisted with 4-acre orchard operation. Duties included organic certification, food safety training, educational workshops, volunteer management, sales and marketing, and USDA grant greenhouse procurement and construction.

Business Development Coordinator, Blume Distillation, LLC, Watsonville, California

SEPTEMBER 2015 — JANUARY 2016

Recruited by a biofuel and integrated waste to resource (biorefinery) technology startup to oversee the coordination of a twelve-person international sales team and provide related business development and marketing services. In this broad ranging startup role, duties and accomplishments spanned:

- Preparation of MOUs and contract documents for projects that ranged from \$1 to 10 M in cost

- Identifying and communicating with prospective customers and technology partners
- Website redesign, cloud systems architecture including CRM and sales and communications tool development

Staff Scientist / Project Manager, Weber, Hayes & Associates, Inc, Watsonville, California

JUNE 2011 — SEPTEMBER 2015 | weber-hayes.com

Oversaw the completion of approximately 100 Phase I/II Environmental Site Assessments (ESAs), environmental quality assessments, and many other investigative and remedial projects, including initial job development, proposals, coordination and project completion. Also assisted with larger assessment and remediation projects, construction monitoring, stormwater and wastewater plans, wetland delineations and planning, and water systems for communities, schools and new developments. Duties included:

- Extensive technical report writing, permit procurement, resource migration modeling, 2D/3D CAD, GIS data management and regulatory uploading, laboratory coordination, analytical data management, statistical evaluations
- Project management and communications with clients, regulators, lawyers and subcontractors
- Website design and web/email server administration; additional website projects for environmental policy advocacy

Permaculture / Communications Manager, Cloudview Ecofarms, Royal City, Washington

APRIL 2009 — JANUARY 2011

Led permaculture design and educational programs, as well as communications for regional ecological incubator farm. Established a bioregional plant list and started a plant nursery, and designed and built gardens for community common spaces, hedgerows and windbreaks, and a larger food forest. Planned and led educational workshops and events on biochar, soil ecology and soil building, bioregional plants and biodiversity, pest management and permaculture design.

Landscape Foreman, Healthy Gardens, Edmonds, Washington

SEPTEMBER 2008 — MARCH 2009

Led a small team to build and maintain landscapes in North Seattle, Medina, Bellevue and surrounding areas. Installed drip irrigation, plants, stone masonry and hardscapes, drainage and structural enhancements.

Landscape Designer / Laborer, Stone Haven Gardens, Olympia, Washington

SEPTEMBER 2006 — AUGUST 2008

Assisted with the design and construction of Andy Goldsworthy inspired landscapes using stacked stone and northwest materials to create meditative garden spaces. Designed and built retention walls along steep slopes cascading down to the Puget Sound, installed irrigation systems and maintained property.

Field Manager, Jubilee Farm, Carnation, Washington

JUNE 2001 — OCTOBER 2006 | jubileefarm.org/

In this role, I lead crews of farm workers, work traders, volunteers to grow a diverse range of crops on an approximately 35-acre organic and biodynamic farm. I also helped manage the greenhouses and plant propagation, ran tractors and mechanical fieldwork, helped clear lands, ran farmers markets and delivered produce to customers.

Education

Bachelor of Arts, Biology – The Evergreen State College, Olympia, Washington

2005 — 2008

Studied biology, with independent research on the chemical exchange and functional relationships between terrestrial and subterranean ecosystems and the consequent changes on soil biota from reductions in plant biodiversity. Completed one year of organic chemistry and two quarters of biochemistry.

Certifications & Trainings

- Project Management Professional Training, Project Management Institute, 2024
- Permaculture Design Certificate, Pattern Literacy, 2016
- Phase I Environmental Site Assessment E1527 Training, ASTM International, 2012
- Permaculture Teacher Training, Permaculture Institute USA, 2011
- Permaculture Design Certificate, Regenerative Design Institute, 2010
- ArcGIS Desktop Professional, ESRI, 2006

Volunteer Work

- *People for Native Ecosystems* (Santa Fe, NM – 2022-2024): Volunteered as a field crew member feeding prairie dogs.
- *The Institute of Ecotechnics* (Santa Fe, NM – 2018-2025): Implemented a donation platform and assisted with educational workshop planning and events. Attended annual conference in 2023.
- *St. Elizabeth's Homeless Shelter* (Santa Fe, NM – 2021-2023): front-desk support and intake
- *WildEarth Guardians* (Santa Fe, NM – 2017-2019): Provided graphic design for posters, video recording and post-production for events, and attended government policy advocacy events.
- *Homeless Services Center* (Santa Cruz, CA – 2012-2018): front-desk, kitchen, web development, technical services, and facilities support
- *Gaiacraft Permaculture Education*: Served in the steward council from 2010 through 2018. Assisted with creation of educational materials.