

JOSIAH PEDERSON

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TECHNICAL SKILLS

Programming: | Python 3, JavaScript (ES6+), SQL, HTML5, CSS
Back-End: | Django 4, PostgreSQL, MySQL, MongoDB, FastAPI, RabbitMQ
Front-End: | React, Redux, DOM manipulation, WebSockets, Bootstrap
System Design: | Microservices, Monoliths, Domain-driven-design, REST API, Message passing, Event sourcing
Dev Tools: | Docker, Git, Insomnia, Heroku, pgAdmin

APPLICATION DEVELOPMENT EXPERIENCE

- Packed** | *Full-stack Engineer* | *Microservice-based travel guide full-stack site* 2022
- Led four engineer development team in creating and deploying a Django web application over six week period
 - Built backend following test-driven development by writing nine unit tests that ensure a clean main branch
 - Integrated user authentication using Simple JWT, giving users the capability to save and edit their packing lists
- CarCar** | *Full-stack Engineer* | *Microservice-based car dealership full-stack site* 2022
- Designed Django/React application with REST API architecture, 15+ React components, and authentication
 - Deployed site on Heroku and Gitlab pages utilizing continuous deployment of five Docker containers, allowing new versions to be published in under five minutes
 - Implemented polling between sales and repair domain models, permitting discounts for dealer-bought cars
- ConferenceGo** | *Software Engineer* | *Microservice-based management full-stack site* 2022
- Modernized Django monolith using domain-driven-design resulting in four managed microservices
 - Employed RabbitMQ pub/sub and middleware queueing between three microservices, resulting in 300% fewer database requests compared to the original polling method
 - Integrated three third-party APIs utilizing anti-corruption layers (ACLs) to ensure accurate data mapping

PROFESSIONAL EXPERIENCE

- Galvanize, Inc** | *Software Engineer, Immersive Resident* | *Chicago, IL* 2022–Present
- Mentor 50 diverse engineers to encourage coding best practices, agile methodologies, and a growth mindset
 - Claim Help Desk tickets to assist students with technical questions and debugging on subjects ranging from Python data structures to Heroku deployment
 - Act as a point of contact to assist students over an 800+ hour immersive program
- Apple, Inc** | *Technical Expert* | *Chicago, IL* 2019–2022
- Led team with 100% iPhone repair success rate for six months via attention to detail, exceeding 93% expectation
 - Trained 15 junior technicians by shadowing and providing feedback, leading to a 10% session-per-hour increase
 - Maintained 95% customer satisfaction score for 10 months by accurately troubleshooting 1000+ iOS devices
- Knowledge Tree, Inc** | *Executive Assistant* | *Shanghai, China* | *Bartlett, IL* 2019–2022
- Visited 15 schools in southeast Asia annually to establish student acquisition partnerships with US universities
 - Directed and edited four annual marketing videos distributed on Chinese social media reaching 1,800 views
 - Managed \$70,000 account using QuickBooks, ensuring a streamlined tax filing process each year
- Theory of Media, LLC** | *Co-Founder* | *Traverse City, MI* | *Wheaton, IL* 2019–2020
- Negotiated five marketing contracts with nonprofits, municipalities, and for-profit businesses, generating \$40,000 in revenue
 - Supervised branding development and website design, ensuring consistent messaging to potential clients
- Social Economic Enterprises, LLC** | *Video Production Intern* | *Traverse City, MI* 2018
- European Leadership Forum** | *Media Intern* | *Wisła, Poland* 2014

EDUCATION

- Hack Reactor** | *Advanced Software Engineering Certificate* 2022
- 19-week immersive program with 1100+ hours of coding. Full-Stack development with JavaScript, Python, Django, React, Redux, PostgreSQL, MongoDB, and MySQL in an agile environment
- Wheaton College** | *B.A. Media Communication* 2017
- Relevant coursework: Programming I - Problem Solving
- Tianjin University of Business and Economics** | *Mandarin Chinese language study abroad program* 2015