JOCELYN KNIGHT

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Highly accomplished Senior Software Engineer with over 10 years of experience specializing in Angular and full-stack development. Proven track record in leading development teams, delivering high-impact projects, and driving technical innovations. Expert in Angular (up to v18), state management (Redux, NGRX), and API development (NodeJS/ExpressJS, Python/Django). Adept at working in agile environments, managing cross-functional teams, and delivering robust, scalable solutions. Passionate about mentoring and staying ahead of the curve through continuous learning and industry involvement.

EXPERIENCE

Senior Software Engineer - T2S Solutions   **2024 – Present**

Building a custom, cutting-edge federated machine learning (ML) platform called ATLAS™, used for training machine learning models collaboratively across multiple locations, without the need for centralized data storage or processing. The platform is built using Angular v18, NGRX, Python, and ElasticSearch. The platform allows for rapid deployment of ML models and training data, enabling users to collaborate on ML projects and share insights across teams.

Owner/Lead Software Engineer - B&M Development Services   **Jan 2019 – Present**

Software development and consulting company.

Projects:

- **T2S Solutions**: Building a custom, cutting-edge federated machine learning (ML) platform called ATLAS™, used for training machine learning models collaboratively across multiple locations, without the need for centralized data storage or processing. The platform is built using Angular v18, NGRX, Python, and ElasticSearch. The platform allows for rapid deployment of ML models and training data, enabling users to collaborate on ML projects and share insights across teams.
- **Fannie Mae**: Developed a custom Angular application for managing, tracking, and reviewing appraisals submitted to Fannie Mae for Fannie Mae backed mortgage loans. The application was built using Angular v14, NGRX state management, and a Java Spring backend. Recently upgraded from Angular v14 to Angular v19. payments, and generate reports.
- **FedEx**: Developed a custom Angular application used for tracking and managing international shipping regulatory compliance. Angular 16 with NGRX state managment.
- **FINRA**: Led the development of an online E-Bill system with a microservices architecture. Upgraded Angular from v12 to v16, implemented AgGrid solutions, and streamlined fee management for brokers, enhancing system performance by 30%.
- **SuperHiFi**: Directed the creation of a Program Director dashboard for AI-powered radio experiences, utilizing Angular v12, Typescript, and AWS Lambda. Achieved a 50% reduction in development time through optimized processes and regular sprint demos.
- **Defense Logistics Agency**: Spearheaded the upgrade of a legacy logistical tracking dashboard application from AngularJS to Angular v13, including long desired enhancments whilst ensuring compliance with DLA standards and improving code test coverage maintainability by 70%.
- **CVS Pharmacy**: Built a custom remote video consultation solution using Angular v10, enabling remote pharmacists to provide patient counseling services for multiple locations. Technologies used included Angular v13, NGRX, Typescript, RxJS, WebSockets, Node, and Express.js.
- **Cisco**: Worked on the Innovation Hub team maintaining a large-scale Angular 10 application with a NodeJs backend. Increased code coverage from 30% to 80%+ using CypressJs testing suite.
- **RevOps.io**: Rebuilt the leading company site for RevOps.io using Javascript, ReactJS, and GatsbyJS static site generator. Achieved a 40% increase in site performance and a 50% reduction in page load times.
- **RescueVessle**: Redevloped the RescueVessle website using ReactJS and GatsbyJS, resulting in a 30% increase in site performance and a 40% reduction in page load times.
- **Las Vegas Athletic Club**: Developed a custom Angular application for managing gym memberships and class schedules. Integrated with PHP Middleware and 3rd party schedualing service. Angular 9 with NGRX state management, C# backend, and SQL Server database.
- **Tallwave**: Built a customizable frontend banking application using Javascript, Angular v6, and NGRX. Developed a custom NodeJS authentication solution and a dashboard for internal monitoring.
- **GoHunt**: Provided expertise in unit testing and code coverage for the GoHunt ReactJS application, resulting in a 60% increase in code coverage and a 20% reduction in development time.

Senior Software Engineer - SemanticBits   **2017 – 2018**

Rewrote software for the Centers for Medicare and Medicaid's Quality Payment Program, enhancing usability and performance for healthcare providers. Utilized Angular 6, Redux (NGRX), NodeJS, and MongoDB, resulting in a 25% increase in data processing speed. Global movement of free coding clubs for young people.

Senior Software Engineer - Clickfox   **2016 – 2017**

Led the significant rewrite of a big data frontend application, incorporating Angular, TypeScript, RxJS, and D3.js. Collaborated with Pivotal Labs on test-driven development, achieving over 90% code coverage and delivering high-quality software.

UI/UX Engineer - Emil Interactive Gaming   **July 2015 – Dec 2015**

Built the user interface and developed engaging user experiences using Javascript, AngularJS, ReactJs, Grunt, KendoUI, HTML5, CSS3, and Javascript for the DraftOps.com product. Built API /Redis Monitoring service using NodeJS / ExpressJS. Developed administration dashboards for DraftOps.com Daily Fantasy Sports product. Worked in a DotNet environment and consumed a DotNet API.

UI/UX Engineer - Allegiant Travel Company   **Jan 2015 – July 2015**

Developed booking, accounting, sorting, and credit management applications for travel agents, using Javascript, AngularJS, Bootstrap, Stylus, and Node.

SKILLS

- **Frontend Development**: Angular (every version to v19), ReactJS, JavaScript, TypeScript, Tailwind, Bootstrap, Angular Material, D3, ChartJS, Gridster, HTML5, CSS3
- **Backend Development**: Golang, Node.js, Express.js, Python/Django, AWS Lamda, Serverless
- **Database**: Pocketbase, MySQL, MongoDB, Mongoose ODM, Firestore, Postgress SQL, Sequalize ORM, SQLite
- **State Management**: Redux, NGRX, RxJS, Angular Signals
- **API Development**: REST, GraphQL, MCP
- **Testing**: Jasmine, Karma, Capybara, Selenium, Cypress, Jest
- **Tools & Platforms**: Proxmox Cluster, Linux, LXC, Docker, Jenkins, Google Cloud, Azure, GIT, Slack, Jira, Zoom, AWS, CEPH, Ansible, Incognito, Swagger, Figma
- **Methodologies**: Agile, Microservices, OOP

PROJECTS

Custom Large Language Model (LLM) development

- **Description**: Developed a custom LLM using self-hosted Ollama and fine-tuned it for to analyze chat conversations and build user models based on that analysis to tag unwanted behaviors in a custom niche community connection platform.

Custom Niche Community Application Platform

- **Description**: Developed a custom niche community connection platform using Angular, Golang, and self-hosted Pocketbase instances. The platform allows for rapid deployment of user spaces allowing users to connect with others based on shared interests and engage in group discussions and activities.

Custom Niche E-Commerce Platform

- **Description**: Developed a custom niche e-commerce platform using Angular, Golang, and self-hosted Pocketbase instances. The platform allows for rapid deployment of marketplaces allowing users to sell products and services to others based on shared interests.

HOW I STAY CURRENT

Meetups

Regulary attend software development meetups and conferences to stay current with the latest technologies and trends.

Online Courses

Enrolled in online courses on Udemy, Coursera, and Pluralsight to learn new technologies and improve my skills.

Open Source Projects

Contribute to open source projects on GitHub to stay engaged with the developer community and learn from others.

Podcasts

Listen to software development podcasts to stay informed about industry news and best practices.

REFERENCES

Available upon request