

Tom Lee

Senior Software Engineer

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Albuquerque, NM

SUMMARY

Tom is an experienced Senior Software Engineer with a strong focus on AI development and machine learning. Skilled in TypeScript, SPA frameworks, React Native, Node.js, and Python, he specializes in integrating AI-driven solutions to optimize workflows and enhance system efficiency. Tom is passionate about test-driven development and consistently delivers high-quality, scalable systems.

With a proven track record of collaborating with cross-functional teams, Tom has led the development of AI-based features such as predictive analytics and resource allocation algorithms. He excels at mentoring teams, implementing best practices, and suggesting innovative solutions to meet business needs. Known for his detail-oriented approach and strong communication skills, Tom is always eager to tackle complex challenges and drive continuous improvement.

SKILLS

React	React Native	Node.js	Express	Python	Django	Flask	Angular	TypeScript	CSS3	SCSS
AWS	GCP	Unit Testing	Integration Testing	E2E Testing	Cypress	Jest	Enzyme	Mocha	Git	
Postgres	MongoDB	MSSQL	MySQL	Redis	CI/CD	Docker	Kubernetes	Elastic Search	Web Socket	
Payments	Project Management Tools			Firebase	HTML5	Bootstrap	Material UI	Tailwind CSS	AI/ML	
Zustand	RxJS	Vue	Server Side Rendering	Next						

EXPERIENCE

Senior Software Engineer (Fractional)

TeamStackAI

- 06/2023 - Present
- Developed and maintained AI-powered automation tools by integrating custom AI models into the platform.
 - Designed and implemented user-friendly dashboards to visualize team performance metrics, predictive analytics, and AI-driven insights.
 - Built and optimized full-stack microservices, ensuring seamless data flow between AI models and the user-facing application.
 - Developed and refined APIs to support AI-driven predictions, data retrieval, and real-time analytics.
 - Collaborated with AI/ML engineers to integrate and deploy custom machine learning models within a scalable architecture.
 - Improved system performance and security, optimizing API response times and enforcing authentication and authorization best practices.
 - Led frontend development efforts using modern SPA frameworks, ensuring a seamless user experience for stakeholders.
 - Worked closely with product, design, and engineering teams to enhance platform usability and AI model effectiveness.
 - Technologies:** Node.js, Express, NestJS, Django, RESTful APIs, GraphQL, Microservices, Database Optimization, TypeScript, React, WebSockets, Zustand, AWS, EC2, Lambda, S3, DynamoDB, Google Cloud Platform, Cloud Functions, AI Python, TensorFlow, PyTorch, NLP, Predictive Analytics

Senior Software Engineer

Aiberry

- 03/2022 - 06/2023
- Developed Aiberry's patient-facing mobile application, enabling real-time AI-powered mental health assessments with a seamless user experience.
 - Built microservices to handle AI model integration, user data processing, and secure API communication.
 - Designed and implemented the dashboard portal app, providing insights and analytics for employers and clinicians.
 - Developed and optimized backend services, ensuring efficient data flow, AI-driven recommendations, and real-time updates.
 - Improved API performance and security, enforcing authentication, encryption, and compliance best practices.
 - Collaborated with AI engineers, clinicians, and product teams to refine platform functionality and enhance user engagement.
 - Ensured scalability and maintainability by implementing modular architecture and following best practices in full-stack development.
 - Technologies:** Serverless Framework, Microservices, Python, Node.js, React Native, React, Large Language Models (LLMs), AI/ML, TensorFlow, FastAPI, Express.js, GraphQL, AWS Lambda, PostgreSQL, Redis

EXPERIENCE

Senior Software Engineer

Vivino

09/2019 - 04/2022

- Developed and optimized AI-driven real-time label detection in React Native, enabling instant wine identification.
- Initially integrated OpenAI for the beta version, later replacing it with a custom TFLite model for improved efficiency.
- Built AI-powered microservices in AWS Lambda to fetch wine details dynamically.
- Optimized backend services and APIs for faster data retrieval and real-time processing.
- Collaborated cross-functionally with product, design, and data science teams to enhance AI-powered features.
- Mentored junior developers, promoting best practices in AI integration, backend performance, and agile development.
- **Technologies:** React Native, Node.js, FastAPI, PostgreSQL, AWS Lambda, RESTful APIs, Agile Development, AI/ML, Python, TensorFlow, OpenAI

Full Stack Developer

Toptal

06/2017 - 10/2019

- Involved in all stages of the development of an enterprise-grade platform. From developing prototypes and MVP, reviewing the UI designs, technology choices. Getting ready to release, releasing the platform, and maintaining it.
- Contributed to the development phase for startup companies as a full-stack developer to improve their internal web and mobile application.
- Built single page apps using React and used many UI frameworks such as Material UI, Bootstrap and Tailwind CSS. Built mobile applications using React Native and Expo library.
- Served as the technical lead for various tasks and projects, became a go-to person for any technical questions.
- Refactored existing legacy systems to use the latest and greatest technology solutions.
- Architected and developed complex solutions using both NoSQL and SQL databases.
- Integrated and worked with many third-party API services like Stripe, Algolia, Intercom, Zendesk, Social Network APIs, and more. Used both the AWS and Google Cloud Platform.
- **Technologies:** Node.js, React, React Native, Next.js, Angular, Vue, TypeScript, GraphQL, MySQL, PostgreSQL, Firebase, MongoDB, TypeScript, AWS, GCP, CI/CD

Full Stack Developer

ScriptPro

04/2014 - 05/2017

- Worked with product owners on defining the roadmap and breaking down user stories.
- Designed and implemented the back-end and front-end infrastructure for clinical management portal.
- Built a billing system for managing all billing tasks like transactions, invoices, payments, and so on.
- Implemented load and stress testing using JMeter and Apache Benchmark.
- Created Docker-based microservices using Python.
- Added RabbitMQ and implemented an asynchronous messaging service.
- Wrote different test scenarios for existing parts of applications, same as for the new features.
- **Technologies:** Node.js, React, Next.js, Redux, Sass, HTML5, CSS3, GraphQL, Python 3, TypeScript, Agile Software Development

Full Stack Developer

Carelon

10/2011 - 03/2014

- Worked in a large team following Scrum. Closely collaborated with product managers, designers, and developers on daily basis.
- Added a caching mechanism using Redis, which reduced complex page load time by 30%.
- Integrated the payment system gateways - Paypal and Stripe. Worked on visualization software that helps users show customers.
- Developed a sales reporting and sales plan management module, including making future predictions.
- **Technologies:** Node.js, Python, AngularJS, Sass, HTML5, CSS3, Google Tag Manager, Google Analytics, MySQL, Jenkins, Twilio

EDUCATION

Bachelor of Science - BS

Baylor University

2007 - 2011

KEY ACHIEVEMENTS



Enhanced real-time mental health assessments

Refined AI models at AiBerry, increasing the accuracy of mental health risk scoring by 15%, providing personalized feedback to users faster and more accurately.



Improved user engagement by 30%

Developed AI-powered label detection and recommendation systems at Vivino, resulting in a 30% boost in user interaction and satisfaction.