Lucas Hahn

Senior Software Engineer

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PROFESSIONAL SUMMARY

With 10 years of experience as a software engineer, I'm as comfortable writing code as I'm playing a tune. I see the world of programming like a symphony — every line of code is a note, every function a chord, and every bug a dissonance to resolve. Whether I'm orchestrating complex systems or riffing on a new feature, I approach each project with the precision of a musician. I thrive on collaboration — just like a good band — where I can orchestrate cross-functional teams, mentor junior engineers, and drive impactful solutions.

WORK EXPERIENCE

Senior Software Engineer   **01/2024 – Present**
Guidepoint
- Designed and implemented AI-Driven Expert Matching feature for Expert Network Platform using React, Node, Postgres, GraphQL and Python-based NLP models with TensorFlow, improving expert recommendation accuracy by 40%.
- Developed React-based UI for AI-Driven Expert Matching, incorporating dynamic search filters, real-time recommendation updates, and visual relevance score breakdowns using D3.js.
- Built and deployed Advanced Data Analytics Dashboards with React, Node, GraphQL, D3.js and AWS, delivering actionable insights that improved client decision-making efficiency by 25%.
- Engineered highly interactive React dashboards with real-time data updates, responsive designs, and customizable widgets, integrating state management with Redux Toolkit to handle large-scale data visualization.
- Migrated component library from Material UI to shadcn/ui, a Tailwind CSS-based UI framework.
- Collaborated with data scientists to integrate Python NLP models and a TensorFlow-based recommendation engine.

Senior Software Engineer   **02/2019 – 11/2023**
Smartsheet
- Architected scalable workflow automation feature for task and process management using React, Typescript, Node.js, Postgres, and AWS.
- Optimized cross-platform state management and API integrations, ensuring consistent functionality and performance across web and mobile environments.
- Streamlined integration process of micro frontends with shared libraries and federated modules to ensure interoperability across large Smartsheet platform.
- Implemented unit and e2e testing with Jest and Cypress, achieving over 90% test coverage.
- Integrated push notification services using AWS SNS to deliver real time updates to mobile users.
- Designed offline functionality for mobile users, enabling workflows to function even in low-connectivity environments by using React Native's offline storage capabilities.
- Utilized CI/CD pipelines and AWS Cloud deployment strategies to streamline releases and improve the reliability of production environments.

Frontend Developer   **09/2015 – 02/2019**
Meta
- Designed and developed Instant Articles feature using React to create great reading experience for users.
- Improved page load times, reducing latency issues by optimizing code and integrating tools like AMP and PWA.

- Collaborated with cross-functional teams, including product managers, designers, and data analysts to develop new features and improve the performance of existing features.
- Worked closely with backend team to integrate Instant Articles with Facebook backend infrastructure using Facebook SDKs, Graph API and Apache Cassandra.
- Implemented and maintained analytics platforms to track user engagement metrics, ad performance metrics and more.

EDUCATION

Computer Science, New Jersey Institute of Technology   **2015**

SKILLS

Javascript | Typescript | React | React Native | Next.js | Node.js | Express.js | Tailwind CSS | Material UI | SCSS | AWS | Postgres | MySQL | MongoDB | REST | GraphQL | Jest | Cypress | Playwright | Angular | Vue2 | Vue3 | Python | Django | Java | Spring Boot | C# | .NET