THOMAS PARIS

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SKILLS

Languages	Elixir, Typescript, JavaScript, Python, HTML, CSS, SQL
Frameworks/Libraries	Phoenix, React.js, Node.js
Databases	PostgreSQL, MySQL
DevOps & Tools	Docker, Git, AWS (S3, Lambda), CI/CD (GitHub Actions)
Data Logging & Monitoring	Datadog, Logflare, AppSignal
Other	RESTful APIs, Web Scraping (Puppeteer, Selenium)

EXPERIENCE

Junior Software Engineer   Mar 2023 - Mar 2025
Automatiq   *Remote*

- Full-stack development on concert ticket distribution web application using **React.js**, **TypeScript**, **Phoenix**, and **Elixir**, directly contributing to a platform generating $680M in annual gross sales, with ~20K daily active users (DAUs).
- Optimized search queries for accounts and purchase orders with **PostgreSQL** using **Elixirs Ecto ORM**, achieving a speed increase of 116,407x (27.937s to 0.240ms) through efficient indexing, preloading associations, and minimizing N+1 queries.
- Optimized storage of large CSV inventory files by implementing compression (20x reduction) and archiving to AWS **S3 Glacier Deep Archive**, cutting storage costs by ~$80K annually while ensuring efficient long-term data retention.
- Spearheaded a scalable B2B email template infrastructure with MJML, ensuring compatibility across major email clients, reducing display issues by 90% with Litmus, and improving deliverability and design quality.
- Collaborated with product managers and UI/UX designers to develop and deliver responsive designs, using **TypeScript** and **React.js**, improving user engagement and accessibility across web and mobile devices.

Backend Software Engineer   Nov 2021 - Jan 2023
Xero Point / Swift Tix   *Remote*

- Developed and implemented automation solutions using Node.js, Puppeteer, Python, and Selenium to optimize account management processes, achieving a 75% reduction in manual effort and saving 100 man-hours per month, boosting productivity and allowing a focus on higher-value, strategic tasks.
- Circumvented bot detection by creating a proxy broker that dynamically assigned a new IP address to each scraping session and randomized user agents, insuring consistent scraping performance.

Cognition Developer   Aug 2020 - May 2021
Intelligent Ground Vehicle, CSUN   *Los Angeles, CA*

- Designed and developed a robotic system for autonomous navigation in unknown outdoor environments using a SLAM algorithm, integrating camera vision, LiDAR, GPS, and IMU sensors to provide reliable, real-time mapping and navigation.

PROJECTS

AWS Data Visualization. Developed an end-to-end AWS project, querying with Athena and using Lambda to convert SQL queries to NoSQL for DynamoDB, visualizing in QuickSight, storing in S3, and securing access with IAM for efficient data processing and reporting.

EDUCATION

California State University, Northridge   Dec 2021
Bachelor of Science in Computer Science