

# DANH PHAM

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## SUMMARY

Full-stack software engineer with experience building scalable web applications, optimizing APIs, and improving system reliability. Passionate about designing intuitive, high-performance SaaS products and collaborating across teams to solve complex challenges

## EXPERIENCE

### Motate

Sheridan, Wyoming (Remote)

Software Engineering Intern

Feb 2025 - Present

- **Technologies:** React, ShadCN, Tailwind CSS, Python, FastAPI, AWS
- Led the creation and implementation of a comprehensive team management feature, enabling efficient team formation and collaboration for future platform growth
- Developed a reliable email verification process, strengthening account integrity and ensuring secure user onboarding for the platform's launch
- Spearhead the development of a secure password reset system, significantly enhancing user account security and laying the groundwork for a robust user experience
- Architect a user-friendly settings and preferences management system, providing users with customizable options to tailor their experience and increasing user satisfaction

### Life Stages

Sacramento, CA (Remote)

Software Engineering Intern

Sep 2023 - May 2024

- **Technologies:** React Native, Node.js, Express.js, Firebase, Google Cloud Platform
- Built backend infrastructure with user registration functionality and validation mechanism using Firebase Authentication, ensuring data integrity and confidentiality through secure protocols
- Engineered a user preference selection feature and interact with REST API endpoints, optimizing Firestore database performance for seamless data retrieval and storage.
- Reduced post-launch error reports by **30% through systematic bug identification and resolution**, improving user satisfaction.

## PROJECTS

**BiteWise** | React, TypeScript, NestJS, MySQL, Google Cloud Platform, Docker, OpenAI API

Sep 2024 – Dec 2024

- Implemented APIs with **NestJS** and designed the database schema with **5 main entities** for meal plan application, ensuring a robust and scalable backend system
- Optimized query response times by **40% through caching techniques**, enhancing performance and ensuring the page loaded within **2 seconds** under normal traffic
- Solved communication issues between frontend and backend, ensuring seamless data exchange and responsiveness for **100 concurrent users in stress tests**
- Ensured compliance with security and privacy standards, **achieving 100% success** in HTTPS enforcement, SQL injection prevention, session timeout, and data encryption tests

## EDUCATION

**San Francisco State University**

San Francisco, CA

Bachelor of Science in Computer Science

Dec 2024

## TECHNICAL SKILLS

**Languages:** Python, HTML/CSS, JavaScript, SQL, Java, C#, C/C++ , PHP, TypeScript

**Frameworks and Libraries:** React, React Native, Next.js, Angular, Bootstrap, Sass, Tailwind CSS, Streamlit, FastAPI, Node.js, Express.js, Bun, Hono, NestJS, ASP.NET, Spring Boot, Hibernate, Sequelize, Mongoose, Prisma, TensorFlow, Keras, PyTorch, Pandas, NumPy, Matplotlib, Seaborn

**Database:** MySQL, PostgreSQL, SQLite, Microsoft SQL Server, MongoDB, Firebase, Redis

**Tools:** AWS, Google Cloud Platform, Git, GitHub, Docker, JUnit, GraphQL, Tableau, Postman, Visual Studio Code, Jupyter Notebook, Google Colabs, IntelliJ