

# MAUSMI ARYA

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## Experience

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SAP, Software Developer Intern, Vancouver

May 2021 - May 2022

- **Implemented and presented a user facing feature** enabling OAuth API Access to manage SAC Story API endpoints. This enhancement streamlined the deletion, renaming, and updating of stories using the more efficient Client Credentials flow, enhancing user experience and simplifying system interaction.
- Interacted with **50+ customers** and addressed over **100 internal bugs** across various SAC services, including **User Management** and **Public API**.
- As the **QA Lead of the team**, ensured that the customer issues, bugs, and features were delivered in a timely manner and met the SAP quality standards.
- Developed and fixed multiple unit and automated tests.

## Technical Projects

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WizBat-Center | *TypeScript, Python*

August 2023

admin: *batvault.vercel.app* | store: *wizcart.vercel.app*

- Developed two distinct E-commerce websites utilizing **Next.js**, **React**, **Tailwind CSS**, **Prisma**, and **MySQL** — one tailored for store owners/admins, similar to Shopify, and the other catering to users, resembling platforms like Amazon. These websites seamlessly share information to enhance product display.
- Implemented chatbots for both websites using **GPT-3**, **LangChain**, **AWS Lambda**, **API Gateway**, and **WebSocket Server**.
- The store chatbot seamlessly populates the cart based on a dish name input, enhancing user experience, while the admin chatbot adeptly handles sales and product inquiries.
- Admin webpage utilizes **DALL-E** for automatic product image generation, providing a user-friendly alternative to manual uploads for common items.
- Employed **MySQL** databases with **AWS RDS** for the store and **Planetscale** for admin.
- Utilized **Shandcn** for constructing UI components, ensuring a responsive and visually appealing design. Integrated **Stripe** for seamless payment processing and **Clerk** for authentication and user management.

PalGPT | *TypeScript*

March 2023

*palgpt.vercel.app*

- Developed a messaging platform using **Next.js**, **React**, and **Tailwind CSS** where you can have real time conversation with friends but also have personalized AI-driven conversations.
- Created AI agents featuring figures like Mark Zuckerberg, Bill Gates, Socrates, and others. Additionally, enabled user-created characters for personalized interactions.
- Implemented efficient data management and secure authentication using **Prisma**, **MongoDB**, and **NextAuth**.
- Integrated **Pusher** for real-time communication and leveraged **LangChain** and **GPT-3** to enable intelligent and engaging conversations.

The DAO | *Solidity*

September 2023 - Current

- Collaborated in a team of four to investigate a reentrancy attack targeting The DAO application deployed on Ethereum.
- Utilized Ethereum development tools (**Solidity**, **Truffle**, **Ganache**) to practically implement a reentrancy attack on an Ethereum-based DAO application and developed secure contract code as a preventative measure.
- Authored a paper detailing findings on the attack and the security of blockchain-based DAO applications.
- Presented the paper at a **mini-research conference** as part of our final project at UBC.

## Technical Skills

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**Languages:** Python, Java, JavaScript, TypeScript, C++, C, SQL, PHP

**Tools/Environment:** VS Code, GitHub, Unix/Linux, Bash, Gerrit, Jenkins, Docker

**Web:** HTML/CSS, React, Redux, Node.js, Next.js, Express.js, Oracle, PostgreSQL, MongoDB, MySQL

## Eductaion

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The University of British Columbia, BSc Computer Science, August 2018 - Current

## Additonal Courses / Extracurricular

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- Udemy: Security+, Full Stack Development, Advanced React (incl Hooks, React Router and Redux)
- UBC - Cybersecurity | Computer Networking | Natural Language Processing | Machine Learning and Data Mining | Advanced Relational Database | Computer Vision
- Dean's List UBC - 2018
- OIS(Outstanding International Student) award - UBC