Ahmed Taeha

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Skills

- Frontend Development: JavaScript, React, HTML5, CSS3, Bootstrap, Tailwind, Adobe XD, Figma
- Backend Development: Python, Java, C#, C, C++, Scala, PHP, Ruby, Unix, Spring Boot, Node.js, Angular.js, Express.js, SproutCore, MySQL, MongoDB, AWS, Digital Ocean
- Data Engineering & Analytics: Data Modeling, Validation, Processing, Hadoop, MapReduce, Pig
- Project Management: Jira, Agile development, Microsoft business suite

Professional Experience

District Hut LLC – "Tailored Software Development"
Founder & CEO | *June 2020 - Present*

- Founded a software development firm to assist small businesses with tailored software solutions, generating $1.5 million in profit.
- Hired and managed a multidisciplinary team, including 6 developers, 3 designers, an accountant, and a personal assistant, successfully delivering 76 projects with tools such as *Jira, Slack, ADP, and Microsoft Business Suite.*
- Conducted outbound prospecting efforts through phone calls, emails, and social media to generate leads and schedule appointments to secure an initial client base of 76.
- Devised and executed a robust digital marketing strategy, leveraging PPC and SEO resulting in a significant increase in web traffic (54,000 monthly visitors) and expansion of the client base to 76 businesses.
- Delivered diverse software solutions ranging from AI trading bots to multiplayer mobile games (see DistrictHut.com).
- Managed client relationships and facilitated communication to ensure project requirements were met resulting in 100% client retention rate.
- Developed and optimized data processing pipelines using Hadoop and MapReduce, significantly improving data analysis and processing speeds for client projects.
- Designed and implemented robust data models and validation schemas to ensure data integrity and efficiency in software solutions, including medical databases and trading bots.
- Utilized MongoDB and Pig to handle and analyze high-volume data, significantly improving the performance and scalability of the applications developed, resulting in a 40% increase in data processing efficiency.
- Contributed to the development of macOS and iOS applications in Objective-C, focusing on high-quality, user-centric software solutions.
- Engineered advanced client-server protocols and API designs, facilitating seamless integration and communication between distributed systems.

California State University, Sacramento
Teaching Assistant | *January 2023 - May 2023*

- Assisted the professor with grading and mentoring students in Java programming for the CSC 130 course.
- Mentored 36 students on creating a 2D game applying Java engineering concepts.
- Evaluated students on object-oriented programming, code efficiency, and code documentation.

Project Highlights

Territory Tycoons (District Hut Project)

- Spearheaded the creation of "Territory Tycoons" - A 3D multiplayer game - More details at TerritoryTycoons.com.
- "Territory Tycoons" is a 3D multiplayer game designed for children's entertainment.
- Crafted with C#, Unity, JS, Figma, Jira, and AWS. It boasts several thousand active players.

Hedge Hog (District Hut)

- Developed and applied deep learning to predict stock prices, reducing stock analysis time for banking analysts and stockbrokers by 70% (see details at districthut.com/Hedgehog.html). Implemented LTSM neural networks for time series forecasting to enhance accuracy by 25% in stock market analysis.
- Utilized reinforcement learning techniques to adaptively make trading decisions, improving efficiency and profitability of the trading bot.

Medical Clinic Database (Client Owned)

- Developed a comprehensive Surgeon's Database to streamline patient management and medical records, transitioning from a paper-based system to a digital platform (see districthut.com/MedicalClinic.html).
- Improved clinic management, patient care, and security through the implementation of the digital solution.
- Utilized HTML5, CSS3, Bootstrap, JavaScript, Node.js, Express.js, MongoDB, Jira, Figma, and Digital Ocean in the development process.
- Provided remote access to the database, enhancing accessibility for both staff and patients.

Hotel Management System (Client Owned)

- Developed an integrated system for hotel management, enhancing reservation processes and backend management for hotel owners (see districthut.com/HotelManagement.html).
- Implemented features for effortless booking, charging, and comprehensive backend management.
- Utilized HTML, CSS, Bootstrap, JavaScript, Node.js, Express, Figma, and Digital Ocean in the development process.

e-Commerce Platform (Client Owned)

- Launched a robust e-commerce platform for a client's clothing brand, facilitating online sales without a Shopify subscription saving client $79/month (districthut.com/e-Commerce.html)
- Custom-crafted the platform using HTML, CSS, JavaScript, Node.js, Express, Bootstrap, Figma, Jira, and Digital Ocean.
- Ensured a tailored and cost-effective online solution and presence for the client.

Education

California State University, Sacramento
Bachelor of Science in Computer Science | *Cum Laude and Dean's Honors List, 3.55 GPA*
    Coursework: Statistics for Engineers, Data Structures and Algorithm Analysis, Object-Oriented Computer Graphics Programming, Computability and Formal Languages, Computer Networking Fundamentals, Business and Computer Ethics

Languages

- **Bilingual**: English, Arabic.