Kurt Grüng

Application Architect

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Summary

Full Stack Developer and Designer, with over 20 years hands on coding experience. I come from a design background then progressed into a more technical developer over the years. I have many years of experience and understanding with building rich visual complex applications for the web, mobile & desktop.

Specialising in Custom Web & Mobile App Development. Web3, Blockchain, DApps, DeFi, Cryptography, Object Object-oriented programming OOP, Design Patterns, Open Source software design and development.

Machine Learning, Neural Networks, Algorithms, Stochastic Gradient Boosting, Logistic Regression.

Hybrid cross-platforms web apps - HTML5 (HTML/JS/CSS), Nativescript, React, Nuxt (+ Apollo), Cordova (PhoneGap), Ionic + more

Native development - (iOS & Android) Nativescript, TypeScript, React Native, Swift, Objective-C, C/C++, Dart

Javascript libraries (Coded Animation tools) - Raphaël, Greensock (Tween engines), Babylon.js, Chart.js, Three.js, WebGL, JQuery, JQuery Mobile, JQuery UI, PureMVC, React, Next.js, Nuxt.js, Vue.js, Processing p5...

Backend development - PHP, Node.js, Socket.IO, Python, Perl, Ruby, Bash Script, .NET...

PHP frameworks - Laravel/Symfony/CodeIgniter/CakePHP...

Database (design & schematics) - NoSQL/MongoBD, MySQL, MariaDB, PostgreSQL, FireBase, SQLite...

CMS - Wordpress, Drupal, Magento, Craft CMS, Sanity... (but prefer building custom code).

API - REST, OAuth (2+3), Authorization/Tokens, GraphQL, Google Speech API, Google Ads API (gRPC and Protobuf)...

User Interface Design and Development - (UI, UX) Adobe XD, Figma, Illustrator, Photoshop, Responsive design + more

Creative coding - Processing, TouchDesigner, OpenFrameworks, MaxMSP

Knowledge with Social Networking Engine & APIs - Facebook, Twitter, Flickr, Instagram

Blockchain development, Web3, NFTs, Defi, DApps (Decentralized apps), Wallets, Cryptocurrency, Smart contracts, Hardware Mining (have mined multiple crypto currencies). Solidity & Rust Smart contracts, Ethers.js, Uniswap, Sushi (liquidity, pools). NFT Minting (opensea/rarible).

PCB Circuit Design & Assembly, Microcontroller programming, Bootloader Development, Raspberry Pi (raspistill / libcamera), Arduino, Teensy, ESP32

Desktop - React Desktop, Ionic, AppJS, Electron

Animation & Video production - Processing, Adobe Animate, Adobe Aftereffects

Games development engines - Unity/Construct/Away3D/Phaser

Repositories, Packages & Version control systems - Subversion & Git (NPM, GitHub, Bitbucket)

Cyber Security, Server Penetration testing, Phishing, BackTrack (Kali)

Experience

Software Developer
Eigen Ltd
Jul 2023 - Present (4 months)
Remix App (v2), TypeScript, ReactFlow (v11) & Neo4j Graph database.

Developer & Designer
Various
2001 - Present (22 years)
Working as a Developer and Designer. contractor in-house or remotely. Building complete Apps, Websites, Custom code from concepts to production. I do it all with over 20 years hands on experience.

(Design, Coding, Animation, Sound design Grading, Video production & more).

Full-stack Developer
TrueFans
2022 - Oct 2023 (1 year)
TrueFans subscription based social media app for UK based Football Teams & Players.

PWA React+LAMP Stack and NativeScript for the Mobile Apps.

Developer
nuom
Sep 2022 - Feb 2023 (6 months)
Working on the Helpforce project with the Nuom team as a Remote contractor. JavaScript, Vue.js, Nuxt.js (React), Craft CMS, Node.js, Apollo/GraphQL, Tailwind CSS, Figma, Bitbucket (pipelines), Mixpanel.

Working on new features for the Helpforce v2, translating figma designs to Nuxt code. Building new templates and modules. Interfacing with GraphQL database. Part of the contract I built in a custom integration of Mixpanel into the system to track user event analytics interactions metrics.

http://helpforce.community

Frontend Developer

Kinsfolk Digital
Aug 2021 - Sep 2022 (1 year 2 months)
Shopify custom code low level modifications to themes & plugins.

Javascript, jQuery, CSS3, Ruby, Liquid (template engine).

https://www.mnched.com
https://dovebrook.com
https://daystore.co.uk
https://fameedkhalique.com
https://beeandsons.com
https://www.jamesgin.com

Full-stack Developer and Designer
PlayerTrader
Jan 2020 - Sep 2022 (2 years 9 months)
Complete rebuild & re-design of platform with a new technology stack. All Design, Frontend, Backend I coded. PHP, Javascript, MySQL, NodeJS, Socket.io + more technologies.

http://playertrader.com

Interactive Designer
2009 - 2011 (2 years)
Working in-house and remote contracts with the National Geographic & Fox FX team providing them with Rich media animated banner designs and coded campaigns. Even Custom Ad severing solutions.

Some notable campaigns I worked on - The Walking Dead, True Blood + many others.

Greensock Animation Platform (GSAP) both AS3 and Javascript, jQuery, HTML5, WebGL, Custom particle animations (coded from scratch), Sound design, Video editing, Video encoding, Compression/optimisation of assets for lighting fast distribution.

Lead Technical Developer / Production Services
Sizmek (formerly MediaMind)
Jul 2005 - Aug 2009 (4 years 2 months)
Lead technical Developer at London office for Eyeblaster Production services team building dynamic campaigns for the Rich Media Platform some very interesting and industry firsts (Augmented realty, High definition Video display, Twitter/Facebook iterations with Live Tweeting data) Many more.

Graphic Web Designer
Grand Square Marketing
Mar 2001 - Oct 2004 (3 years 8 months)
Working on Multiple Microsites, Banner, Email campaigns, Flash Games and Animations for the Digital Casino Industry on RTG Gaming Casinos.

Signage and Sign Writing
Sign Shop
1998 - 1999 (1 year)

Education

Numerous Courses and Books
To keep up to date on techniques and coding languages , Computer Programming
2001 - 2031

ICESA, Information Technology
Diploma
1999 - 2001

Newport College, Art & Design
GNVQ
1996 - 1998

Sandown Middle & High School
1991 - 1995

Skills

ESLint • NoSQL • JSON • PostgreSQL • Computer Science • GitHub • Apollo GraphQL • Ruby • MongoDB • Redux.js