


Resume:	Michael Friedrich
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Cape Town, South Africa – January 2016

Personal details

Name:	Michael Friedrich 
Postal/Residential Address:	35 Alana ave. Veldrif 7365 Western Cape South Africa Tel. 022-7832454 (home) 081-7071399, 082-0984562 (mobile) email: mike.a.friedrich@gmail.com
Nationality:	South African & Swiss (eligible to work in EU or UK)
Date of birth:	22 October 1961
Skills:	IT: Expert in: Requirements gathering and analysis Object modelling and database design Implementation and testing Configuration, release and change management Troubleshooting Data migration Coaching, mentoring Tools/Programming languages: Expert in: Android SDK, Java, IntelliJ idea, SQL, xml, integration of restful services, subversion, agile methodologies Development Experience with: Visual Studio C#, Windows 8.1 mobile, Github, Delphi, smalltalk, html, css, javascript, jsp crystal reports, sql server, intershop enfinity framework, cvs & pvc version control Knowledge of: C/C++, Python General: Customer driven Good interpersonal, communication, planning and organisational skills Team player Winning personality Results orientated Exceptional attention to detail Ability to function well under pressure whilst maintaining a high standard of work Able to rapidly adapt to new technologies, development environments and programming languages
Hobbies:	sailing, scuba, cooking

Education

Education	Matriculation at Cape Town High School, South Africa Bachelor of Electronics Engineering , Stellenbosch University, December 1984, South Africa Various Software development training courses in Switzerland and UK	
Language skills	English	Mother tongue
	German/Swiss	Fluent
	Afrikaans(like Dutch)	Fluent

Work experience

Dates	Activities/Tools
7.2011 - current	Mobile Developer & Director of Jenaka Systems (Pty) Ltd. Lead developer on a location based audio travel guide application for Android smartphones. Author of several applications available on the Android market (google "tourism radio city guides"). Adaptation of the smartphone audio travel guide application for an in-vehicle entertainment system (R-Link) for Renault. Adapt current audio travel guide apps for in-car system on an Android device Development of a Samsung tablet based solution for doctors' practices (in rollout phase). To test it pls search for "medinotes" on the play store Management & Support Microsoft app-factory to migrate the travel guide app to the windows platform (published), maintenance of Microsoft app in C#. Collaborative development of an Android based tag system based on TI chipset using Bluetooth 4.0 (in prototype stage). Driver app development for Zapacab (like UBER) Development of an Android tablet based autopilot for yachts (in prototype stage). New - Development of Marine observer application in Delphi for Olrac SPS
3.2011 – 6.2011	Android Developer Joined a startup company rushmobile.co.za to develop an advertising platform for smartphones. I implemented the application in Java on Android. The application is maps based and communicates with a server application using Json and an sql database backend. Rushmobile was unsuccessful in procuring VC funding to continue the project.
11.2008 – 2.2011	Independent consultant 2 single-handed transatlantic crossings on my 35ft steel ketch, ending in Cape Town on 2.2.2010 Refitting and rewiring of a 50ft trimaran sailing yacht in Jacare, Brazil. Development of SW protocols in Delphi for logic analysers for www.janatek.co.za If you download the latest beta version of their software you can see my work, I wrote the decoding and visualization software for I2C, Uart and spi protocols. Development of a microcontroller based product for automated bilge pump control on yachts.
6.2008 – 8.2008	Analyst/Programmer, Banif bank, Malta Database analysis, wrote basic sql queries using microsoft reporting tool and sql server to generate usable base-data for all the bank's reporting requirements.
10.2007 – 5.2008	Senior Programmer, Crimsonwing plc, Malta Internet programming, Website construction. Tools: Eclipse, Intershop Enfinity, HTML, Javascript, Java, css.

11.1998 – 6.2007	<p>Senior Software engineer, Visana Health Insurance, Bern, Switzerland</p> <p>Technical lead role designing, implementing and maintaining a health insurance administration software system (600 clients). Occupied key role in enabling the initial large scale deployment of automated claims processing system. Coaching and mentoring of programmers, development and implementation of quality control systems and development methodologies. Tools: Object Studio Smalltalk, Transact SQL, Eclipse, Java.</p>
10.1997 – 6.2007	<p>Software Engineer, Object Family Informatik GmbH, Zug, Switzerland.</p> <p>Bought out the OKK maintenance agreement (see below) from ISM SA and independently developed a complete health insurance administration application for three insurance companies in Switzerland. The application consisted of an entire customer and contract administration, invoicing, account statements, debtors/creditors, payment transactions, transaction and data history as well as all statistics and reporting required by Swiss legislation. Tools: Visual Age smalltalk, SQLBase SQL, Crystal reports, Toplink OO/RDMS Mapping, Novell. Whilst continuing the maintenance of the developed system until it was phased out in 2003, my company contracted me out to Visana Health Insurance in 11.1998 where I was engaged as a freelance developer until 6.2007.</p>
5.1996 – 9.1997	<p>Software Engineer & Sales Manager, ISM SA, Disentis, Switzerland</p> <p>Introduced Object-oriented technologies and organised funding for training of staff and investment in new hardware and software infrastructure. Did project acquisition for maintaining and redeveloping a health insurance administration system and secured a software maintenance agreement with the health insurance company OKK Surselva for 5 years. Successfully concluded agreement for a 10 year contract with the Swiss National Railway for a multimedia presentation centre for the Gotthard tunnel construction project in Sedrun.</p>
4.1994 – 4.1996	<p>Proprietor/Chef/Manager, Gasthaus zur Krone, Tamins, Switzerland</p> <p>Together with my wife I ran a family guesthouse/restaurant at the foot of the Swiss alps near Chur. I was the chef in the kitchen and managed logistics as well as all backoffice tasks (controlling buying, etc.)</p>
9.1992 – 3.1994	<p>Project engineer, Füllemann engineering, Mastrils.</p> <p>Planning and project management for control systems of oil-burners and compact central heating systems. Drafting and adaptation of electrical and electronic documentation. Design of product specifications, installation and user manuals. Design of product descriptions and training manuals for micro-processor based control systems. Execution of installation and service training of maintenance personnel.</p>
11.1991 – 8.1992	<p>Software support engineer, Instrumatic AG, Thalwil.</p> <p>Software support-engineering for Data I/O and product sales/marketing in the field of design software (logic components). Analysis and solution of complex customer problems. Co-ordination in technical and commercial matters with supplier company in the USA. Planning, organisation and execution of customer product training.</p>
5.1988 – 7.1991	<p>Manager/Owner of small electronics company, Somerset West, South Africa.</p> <p>Design and manufacture of electronic instruments for the animal health sector. Full cycle product development from initial product idea to layouting circuits and enclosure design. Negotiations with customers, suppliers, financiers etc. Coordination of manufacturing process with various external companies.</p>

10.1986 – 2.1988	<p>Systems engineer textile dyeing machines, Datacolor AG, Dietlikon.</p> <p>Development of a process control system (laboratory machine for textile dyeing). Activities ranged from the design of the hardware and software components to the installation, prototype construction, integration and testing. As a project team member I also coordinated the external development activities and planned & executed customer training sessions.</p>
9.1985 – 9.1986	<p>Systems engineer military projects, UEC projects.</p> <p>System engineering in a military environment on a radar warning / electronic warfare receiver system for a marine platform. Analysis and design of system components. Drafting of military development specifications. Technology transfer activities with foreign countries.</p>